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 Attorneys for Defendant APPLE INC.

UNITED STATES DISTRICT COURT
 FOR THE NORTHERN DISTRICT OF CALIFORNIA
 OAKLAND DIVISION

EPIC GAMES, INC.,

Plaintiff, Counter-
 defendant

v.

APPLE INC.,

Defendant,
 Counterclaimant.

Case No. 4:20-cv-05640-YGR-TSH

**DEFENDANT APPLE INC.'S TRIAL
 EXHIBIT LIST**

1 Pursuant to the Court's Standing Order re Pretrial Instructions in a Civil Case and the Court's
2 Order Regarding Pretrial Schedule (Dkt. 377), Defendant and Counterclaimant Apple Inc. ("Apple")
3 by and through its undersigned counsel, hereby submits its trial exhibit list, which is attached hereto
4 as **Exhibit A**. Apple submits its exhibit list using DX-3000 to DX-5411. Plaintiff and Counter-
5 defendant Epic Games, Inc. ("Epic") will separately submit its exhibit list using PX-0001 to PX-
6 2943. The parties are continuing to meet and confer regarding the admissibility of exhibits. Apple
7 reserves its right to use the exhibits in Epic's trial exhibit list. Apple expects to supplement this list
8 with summary exhibits pursuant to Federal Rule of Evidence 1006 in accordance with the schedule
9 set by the Court's Order Regarding Pretrial Schedule (Dkt. 377).

10
11
12 DATED: April 14, 2021

GIBSON, DUNN & CRUTCHER LLP

13 By: /s/ Richard J. Doren

14
15 Richard J. Doren

16 *Attorney for Defendant and Counterclaimant*
17 *Apple Inc.*
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EXHIBIT A

Apple Inc.'s Trial Exhibit List

Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3000	Deposition Designation of Ron Okamoto, dated December 16, 2020	Okamoto		See Epic's Objections to Apple's Deposition Designations	
DX-3001	Deposition Designation of Ron Okamoto, dated December 17, 2020	Okamoto		See Epic's Objections to Apple's Deposition Designations	
DX-3002	Deposition Designation of Matt Fischer, dated December 18, 2020	Fischer		See Epic's Objections to Apple's Deposition Designations	
DX-3003	Deposition Designation of Matt Fischer, dated January 7, 2021	Fischer		See Epic's Objections to Apple's Deposition Designations	
DX-3004	Deposition Designation of Phillip Shoemaker, dated January 12, 2021	Shoemaker		See Epic's Objections to Apple's Deposition Designations	
DX-3005	Deposition Designation of Phillip Shoemaker, dated January 14, 2021	Shoemaker		See Epic's Objections to Apple's Deposition Designations	
DX-3006	Deposition Designation of C.K. Haun, dated January 13, 2021	Haun		See Epic's Objections to Apple's Deposition Designations	
DX-3007	Deposition Designation of C.K. Haun, dated January 14, 2021	Haun		See Epic's Objections to Apple's Deposition Designations	

Apple Inc.'s Trial Exhibit List

Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3008	Deposition Designation of Carson Oliver, dated January 26, 2021	Oliver		See Epic's Objections to Apple's Deposition Designations	
DX-3009	Deposition Designation of Carson Oliver, dated February 1, 2021	Oliver		See Epic's Objections to Apple's Deposition Designations	
DX-3010	Deposition Designation of Eric Friedman, dated February 1, 2021	Friedman		See Epic's Objections to Apple's Deposition Designations	
DX-3011	Deposition Designation of Eric Friedman, dated February 2, 2021	Friedman		See Epic's Objections to Apple's Deposition Designations	
DX-3012	Deposition Designation of Trystan Kosmynka, dated February 2, 2021	Kosmynka		See Epic's Objections to Apple's Deposition Designations	
DX-3013	Deposition Designation of Trystan Kosmynka, dated February 3, 2021	Kosmynka		See Epic's Objections to Apple's Deposition Designations	
DX-3014	Deposition Designation of Eddy Cue, dated February 8, 2021	Cue		See Epic's Objections to Apple's Deposition Designations	
DX-3015	Deposition Designation of Mark Grimm, dated February 9, 2021	Grimm		See Epic's Objections to Apple's Deposition Designations	

Apple Inc.'s Trial Exhibit List

Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3016	Deposition Designation of Mark Rollins, dated February 11, 2021	Rollins		See Epic's Objections to Apple's Deposition Designations	
DX-3017	Deposition Designation of Shaan Pruden, dated February 11, 2021	Pruden		See Epic's Objections to Apple's Deposition Designations	
DX-3018	Deposition Designation of Shaan Pruden, dated February 15, 2021	Pruden		See Epic's Objections to Apple's Deposition Designations	
DX-3019	Deposition Designation of Craig Federighi, dated February 10, 2021	Federighi		See Epic's Objections to Apple's Deposition Designations	
DX-3020	Deposition Designation of Craig Federighi, dated February 12, 2021	Federighi		See Epic's Objections to Apple's Deposition Designations	
DX-3021	Deposition Designation of Phillip Schiller, dated February 11, 2021	Schiller		See Epic's Objections to Apple's Deposition Designations	
DX-3022	Deposition Designation of Phillip Schiller, dated February 15, 2021	Schiller		See Epic's Objections to Apple's Deposition Designations	
DX-3023	Deposition Designation of Tim Cook, dated February 12, 2021	Cook		See Epic's Objections to Apple's Deposition Designations	

Apple Inc.'s Trial Exhibit List

Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3024	Deposition Designation of Eric Gray, dated February 12, 2021	Gray		See Epic's Objections to Apple's Deposition Designations	
DX-3025	Deposition Designation of Eric Gray, dated February 15, 2021	Gray		See Epic's Objections to Apple's Deposition Designations	
DX-3026	Deposition Designation of Mike Schmid, dated February 15, 2021	Schmid		See Epic's Objections to Apple's Deposition Designations	
DX-3027	Deposition Designation of Scott Forstall, dated March 8, 2021 (Vol. I)	Forstall		See Epic's Objections to Apple's Deposition Designations	
DX-3028	Deposition Designation of Scott Forstall, dated March 8, 2021 (Vol. II)	Forstall		See Epic's Objections to Apple's Deposition Designations	
DX-3029	Deposition Designation of Alec Shobin, dated January 22, 2021	Shobin		See Epic's Objections to Apple's Deposition Designations	
DX-3030	Deposition Designation of Nick Penwarden, dated January 26, 2021	Penwarden		See Epic's Objections to Apple's Deposition Designations	
DX-3031	Deposition Designation of Andrew Grant, dated January 27, 2021	Grant		See Epic's Objections to Apple's Deposition Designations	

Apple Inc.'s Trial Exhibit List

Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3032	Deposition Designation of Joe Kreiner, dated February 5, 2021	Kreiner		See Epic's Objections to Apple's Deposition Designations	
DX-3033	Deposition Designation of David Nikdel, dated February 8, 2021	Nikdel		See Epic's Objections to Apple's Deposition Designations	
DX-3034	Deposition Designation of Tim Sweeney, dated February 8, 2021	Sweeney		See Epic's Objections to Apple's Deposition Designations	
DX-3035	Deposition Designation of Steven Allison, dated February 9, 2021	Allison		See Epic's Objections to Apple's Deposition Designations	
DX-3036	Deposition Designation of Mark Rein, dated February 10, 2021	Rein		See Epic's Objections to Apple's Deposition Designations	
DX-3037	Deposition Designation of Matt Weissinger, dated February 11, 2021	Weissinger		See Epic's Objections to Apple's Deposition Designations	
DX-3038	Deposition Designation of Thomas Ko, dated February 11, 2021	Ko		See Epic's Objections to Apple's Deposition Designations	
DX-3039	Deposition Designation of Joe Babcock, dated February 12, 2021	Babcock		See Epic's Objections to Apple's Deposition Designations	

Apple Inc.'s Trial Exhibit List

Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3040	Deposition Designation of Marc Hutcheson, dated February 12, 2021	Hutcheson		See Epic's Objections to Apple's Deposition Designations	
DX-3041	Deposition Designation of Haseeb Malik, dated February 12, 2021	Malik		See Epic's Objections to Apple's Deposition Designations	
DX-3042	Deposition Designation of Daniel Vogel, dated February 15, 2021	Vogel		See Epic's Objections to Apple's Deposition Designations	
DX-3043	Deposition Designation of Aashish Patel (NVIDIA), dated February 11, 2021	Patel		See Epic's Objections to Apple's Deposition Designations	
DX-3044	Deposition Designation of Adrian Ong (Match), dated February 24, 2021	Ong		See Epic's Objections to Apple's Deposition Designations	
DX-3045	7/22/2020 email regarding "Invitation: Project Liberty Comms Copy Review @ Thu Jul 23, 2020 12:30pm - 2pm (EDT) (Nick Chester)"	Sweeney; Weissinger			
DX-3046	5/18/2020 email regarding "Accepted: Project Liberty @ Thu May 21, 2020 1pm - 2pm (EDT) (Victoria Hutchinson)"	Sweeney			
DX-3047	Apple, "Apple Developer - Support: Identity Verification," available at https://developer.apple.com/support/identity-verification/	Schiller; Federighi; Kosmynka; Friedman; Rubin		802; 602	
DX-3048	3/4/2020 email regarding Direct Carrier Billing	Ko		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3049	Christopher Burgess, "Apple means business when protecting intellectual property," CSO Online, available at https://www.csoononline.com/article/3269868/apple-means-business-when-protecting-intellectual-property.html	Malackowski; Federighi; Schiller		802; 602	
DX-3050	10/19/2018 email regarding "Re: Touching Base"	Hutcheson; Grimm; Schmid		602	
DX-3051	Apple, "Apple Developer: Metal," available at https://developer.apple.com/metal/	Malackowski; Haun; Federighi; Schiller		802; 602	
DX-3052	U.S. Patent No. 8,620,272	Malackowski; Schiller; Federighi; Kosmyinka		602	
DX-3053	1/8/2020 email regarding "RE: [EXTERNAL] Re: Draft Epic Games store disty agreement"	Sweeney		802; 602	
DX-3054	ECF No. 42-14 (4:20-cv-05640-YGR), Byars Decl. ISO Motion for TRO, Ex. N, Epic Games, Inc. (Enterprise acct) Developer Agreement, dated 9/5/2019	Sweeney; Schiller			
DX-3055	Apple, "App Store," available at https://www.apple.com/ios/app-store/principles-practices/	Hitt; Schmalensee; Schiller; Fischer		802; 602	
DX-3056	11/9/2018 email regarding "Re: App Review - SaaS in Enterprise & Education Rejections"	Schiller; Kosmyinka; Fischer; Malackowski		802; 602	
DX-3057	8/20/2018 email regarding "Re: Monetization on Android"	Hutcheson			
DX-3058	Google, "Creating Better User Experiences on Google Play," Android Developers Blog, March 17, 2015, available at https://androiddevelopers.googleblog.com/2015/03/creating-better-user-experiences-on.html	Kosmyinka		802; 602	

Apple Inc.'s Trial Exhibit List

Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3059	Apple, "Legal - A Statement on FRAND Licensing of SEPs," available at https://www.apple.com/legal/intellectual-property/frand	Schiller		802; 602	
DX-3060	Apple, "Press release: Apple Launches Subscriptions on the App Store," Apple Newsroom, February 15, 2011, available at https://www.apple.com/newsroom/2011/02/15Apple-Launches-Subscriptions-on-the-App-Store/	Rubinfeld; Schiller; Fischer		802; 602	
DX-3061	Apple, "App Store Preview: YouTube Music," available at https://apps.apple.com/us/app/youtube-music/id1017492454	Schiller; Fischer		802; 602	
DX-3062	Apple, "Apple Developer Documentation: Accelerate," available at https://developer.apple.com/documentation/accelerate	Schiller; Malackowski		802; 602	
DX-3063	Tim Sweeney Tweet regarding civil rights, dated November 18, 2020	Sweeney		802	
DX-3064	Investopedia, "Apple iOS," available at https://www.investopedia.com/terms/a/apple-ios.asp	Schiller; Malackowski		802; 602	
DX-3065	Presentation titled "Project Liberty Update," dated July 29, 2020	Sweeney; Weissinger; Rein			
DX-3066	Equinux, "A better App Store Pricing Matrix," available at https://www.equinux.com/us/appdevelopers/pricematrix.html	Hitt		802; 602	
DX-3067	Presentation re US Partner Onboarding Guideline, dated October 19, 2020	Schmalensee		602	
DX-3068	4/19/2018 email regarding "Re: Metal success stories and porting FortNite to iOS"	Penwarden; Sweeney		802	
DX-3069	9/27/2019 email regarding "Re: Scoping FN Build for Google Play"	Sweeney; Malik		602	

Apple Inc.'s Trial Exhibit List

Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3070	Apple, "Press Release: Apple's App Store Downloads Top Three Billion," Apple Newsroom, January 5, 2010, https://www.apple.com/newsroom/2010/01/05Apples-App-Store-Downloads-Top-Three-Billion/	Malackowski; Schiller; Fischer		802; 602	
DX-3071	Apple, "Haiku Article Preview: Help your child set up an iPhone, iPad, or iPod touch," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/023/205763.html?cq_ck=1612518553074	Schiller; Federighi; Friedman		802; 602	
DX-3072	U.S. Patent No. 10,734,025	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-3073	Apple, "watchOS 7," available at https://www.apple.com/watchos/watchos-7/	Schiller		802; 602	
DX-3074	8/13/2020 email regarding SOW - 08.01.2020"	Weissinger			
DX-3075	Apple, "Apple Developer Documentation: AdSupport," available at https://developer.apple.com/documentation/adsupport	Schiller; Malackowski		802; 602	
DX-3076	"Express Play: Apple FairPlay Streaming DRM," Intertrust, available at https://www.intertrust.com/products/drm-system/apple-fairplay-streaming-drm/	Malackowski		802; 602	
DX-3077	U.S. Patent No. 10,901,514	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-3078	8/13/2020 email regarding "Fortnite payments"	Cook; Sweeney; Federighi; Fischer			
DX-3079	Apple, "Haiku Article Preview: About the security content of Xcode 10," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/036/209135.html?cq_ck=1612529164349	Schiller; Federighi; Friedman; Kosmynka		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3080	Microsoft Xbox, "Games & Apps: How to use cloud gaming," available at https://support.xbox.com/en-US/help/games-apps/cloud-gaming/about-cloud-gaming	Hitt; Wright		802; 602	
DX-3081	4/11/2019 email regarding "Re: Epic / Fortnite Escalations"	Grimm		802	
DX-3082	Apple, "QuartzCore," available at https://glossarytech.com/terms/ios/quartzcore	Malackowski		802; 602	
DX-3083	7/22/2020 email regarding "Re: Visibility into Mobile Update Speed"	Shobin; Grant			
DX-3084	Presentation titled "Kantar Comtech USA Report CQ3'20"	Schiller; Malackowski; Cook; Fischer			
DX-3085	Nick Statt and Sean Hollister, "Epic Games takes on Steam with its own fairer game store," The Verge, available at https://www.theverge.com/2018/12/4/18124203/epic-games-fortnite-valve-steam-game-store-distribution-unreal-engine	Schiller		802; 602	
DX-3086	1/21/2019 email regarding "Re: Retail Opportunity - Fortnite"	Hutcheson		802	
DX-3087	Apple, "Press Release: Apple's App Store Downloads Top 15 Billion," Apple Newsroom, July 7, 2011, available at https://www.apple.com/newsroom/2011/07/07Apples-App-Store-Downloads-Top-15-Billion/	Malackowski; Schiller; Fischer		802; 602	
DX-3088	Jason D. Ogrady, "Breaking: Third party applications confirmed for iPhone (updated)," ZD Net, available at https://www.zdnet.com/article/breaking-third-party-applications-confirmed-for-iphone-updated	Friedman		802; 602	
DX-3089	Spreadsheet titled "IS&S and iAd P&L's Final"	Schiller; Kosmyinka; Fischer; Cook; Malackowski			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3090	Roblox, "Roblox Premium," available at https://www.roblox.com/premium/membership	Hitt		602	
DX-3091	Tim Sweeney Tweet on July 28, 2020	Sweeney			
DX-3092	Kif Leswing, "Inside Apple's team that greenlights iPhone apps for the App Store," CNBC, June 21, 2019, available at https://www.cnbc.com/2019/06/21/how-apples-app-review-process-for-the-app-store-works.html	Rubin	X		
DX-3093	Sam Costello, "The History of iOS, from Version 1.0 to 14.0," Lifewire, September 18, 2020, available at https://www.lifewire.com/ios-versions-4147730	Malackowski; Schmalensee; Lafontaine	x		
DX-3094	Sony PlayStation presentation dated August 2019	Kreiner; Sweeney		802; 1002	
DX-3095	Jacob Kastrenakes, "Apple's first major racial equity investments include a Detroit developer center and HBCU tech hub," The Verge, available at https://www.theverge.com/2021/1/13/22228580/apple-detroit-developer-academy-equity-center-hbcu-tech-hub	Schiller; Pruden; Fischer		802; 602	
DX-3096	Presentation titled "iPhone SE Early Buyer Survey, US, China and Japan," dated May 2016	Schiller; Kosmyinka; Fischer; Cook; Malackowski		802; 602	
DX-3097	Apple, "WWDC 2016: Getting Started with Swift," available at https://developer.apple.com/videos/play/wwdc2016/404/	Cook; Federighi; Schiller; Malackowski		106; 802; 602; 6(c)	
DX-3098	5/11/2018 email regarding "Re: quotes for wwdc"	Sweeney; Penwarden			
DX-3099	Google, "Android Developers: Upload your app to the Play Console," available at https://developer.android.com/studio/publish/upload-bundle	Rubin; Google custodian	X		

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3100	8/24/2011 email regarding "McAfee: Android malware surges 76%, iPhone untouched"	Schiller; Fischer; Haun		802	
DX-3101	Apple, "Haiku Article Preview: Security certifications for Apple Applications," available at https://accp.corp.apple.com/content/haiku/article/en_US/Kbase/042/211007.html?cq_ck=1612550984041	Schiller; Federighi; Friedman		802; 602	
DX-3102	Epic structured data	Sweeney; Grant; Kreiner; Weissinger; Hitt			
DX-3103	4/11/2019 email regarding "Fwd: 250M bad accounts is bad practice"	Sweeney; Vogel			
DX-3104	Document titled "Update to In-App Purchase Programming Guide"	Schiller; Federighi; Rubin; Kosmyinka;			
DX-3105	Kris Graft, "The Future According to Epic's Tim Sweeney," Gamasutra, May 7, 2012, available at https://www.gamasutra.com/view/feature/169845/the_future_according_to_epics_tim_/php?page=3&sm_aud=IVVR0FV3S17TVSqrFcVTvkQkcK8MG	Sweeney		802; 602	
DX-3106	Presentation titled "Kantar ComTech Length of ownership analysis iOS vs. Android," dated February 2019	Malackowski; Schiller; Fischer; Cook; Kosmyinka		802; 602	
DX-3107	7/30/2020 email regarding SOW - 08.01.2020	Weissinger			
DX-3108	Apple, "Haiku Article Preview: About the security content of iOS 9," available at https://acap.corp.apple.com/content/haiku/article.en_US/Kbase/020/205212.html?cq_ck=1612524566662	Schiller; Federighi; Friedman		802; 602	
DX-3109	Tim Sweeney Tweets on July 28, 2020	Sweeney		802	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3110	Spreadsheet titled "Microsoft Outlook"	Wright		802; 1002; 602	
DX-3111	Epic structured data	Sweeney; Grant; Kreiner; Weissinger; Hitt			
DX-3112	Document titled "Online Platforms and Market Power, Part 6: Examining the Dominance of Amazon, Apple, Facebook, and Google: Question for Tim Cook, CEO, Apple, Inc."	Cook; Rubinfeld		802; 602	
DX-3113	Presentation titled "App Review - In Review"	Kosmynka; Cook; Schiller; Fischer		802; 602	
DX-3114	2/21/2019 email regarding "Re: Mobile Lag, Disconnects, Crashes, Hitches"	Penwarden			
DX-3115	6/6/2011 email regarding "HOT: Updated Guidelines..."	Kosmynka; Fischer; Schiller		802; 1002; 602	
DX-3116	2/8/2018 email regarding "Re: Cash Update 3-Feb-18"	Sweeney			
DX-3117	12/11/2012 email regarding "Re: The Next Web: Microsoft balks at Apple's 30% fee, leaving SkyDrive and apps that integrate with it in the lurch on iOS"	Schiller; Fischer		802	
DX-3118	7/28/2020 email regarding "Re: greenbriar/lane"	Sweeney			
DX-3119	Jason Kincaid, "Apple Announces In-App Purchases for Free iPhone Applications," Tech Crunch, October 15, 2009, available at https://techcrunch.com/2009/10/15/apple-announces-in-app-purchases-for-free-iphone-applications/	Rubin	X		

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3120	Borck, Jonathan, Juliette Caminade, and Markus von Wartburg, "Apple's App Store and Other Digital Marketplaces," Analysis Group, July 2020, available at https://www.analysisgroup.com/globalassets/insights/publishing/apples_app_store_and_other_digital_marketplaces_a_comparison_of_commission_rates.pdf	Schiller; Schmalensee		802; 602	
DX-3121	ECF No. 41-9, Byars decl. iso Motion for TRO Ex. I, Epic Games, Inc. DPLA (6/30/2020)	Sweeney; Schiller			
DX-3122	Workbook with three spreadsheets titled in part "Apple Inc.: Apple Media Products"	Schiller; Gray; Schmalensee		602	
DX-3123	Game Developers Conference (GDC) 2015, Tim Sweeney presentation titled "The State of Unreal Engine"	Sweeney		106; 602; 6(c)	
DX-3124	Google, "Developer Program Policy: September 16, 2020, Google Play Console Help, available at https://support.google.com/googleplay/android-developer/answer/10065487#misrepresentation	Rubin; Google custodian	X		
DX-3125	6/3/2018 email regarding "Re: Fortnite interoperability and esports"	Sweeney		802	
DX-3126	Champions Academy, "Minecraft Mods," available at https://www.championsacademyinfo.com.au/minecraft-mods.html	Hitt		802; 602	
DX-3127	HT204536_P1.0_19-03-2015_EN.pdf REDIRECTED: Mac App Store: Automatic security updates ? 204536	Schiller; Federighi; Friedman		802; 602	
DX-3128	Apple, "Haiku Article Preview: Creating Immersive Apps with Core Motion," Apple Social/Support App Content, available at https://developer.apple.com/videos/play/wwdc2017/704/	Schiller; Federighi; Hitt		106; 802; 602; 6(c)	
DX-3129	9/25/2018 instant message exchange between Devin Winterbottom and Joe Kriener, ID no. 0XTodAAAAAE-2018.09.25	Kreiner			

Apple Inc.'s Trial Exhibit List

Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3130	Luke Dormehl, "Today in Apple history: Devs get the key to unlock iPhone's awesome power," Cult of Mac, March 6, 2020, available at https://www.cultofmac.com/469975/today-in-apple-history-iphone-sdk/	Hitt; Rubinfeld; Schiller		802; 602	
DX-3131	Justin Antonipallai, et al. "Intellectual Property and the U.S. Economy: 2016 Update," Economics & Statistics Administration and the US PTO, September 2016, available at https://www.uspto.gov/sites/default/files/documents/IPandtheUSEconomySept2016.pdf	Malackowski		802; 602	
DX-3132	Apple, "Press Release: Apple Launches Subscriptions on the App Store"	Schiller; Kosmyнка; Fischer; Cook		802; 602	
DX-3133	U.S. Patent No. 9,384,101	Malackowski; Schiller; Federighi; Kosmyнка		602	
DX-3134	U.S. Patent No. 10,726,604	Malackowski; Schiller; Federighi; Kosmyнка		602	
DX-3135	9/8/2002 email regarding "FW: Wolfram"	Apple custodian		802	
DX-3136	Apple, "Apple Rings in New Era of Services Following Landmark Year," Apple Newsroom, January 8, 2020, available at https://www.apple.com/newsroom/2020/01/apple-rings-in-new-era-of-services-following-landmark-year/	Cook; Schiller; Fischer; Rubinfeld; Schmalensee		802; 602	
DX-3137	Presentation titled "Agenda: Business Update, FY'19 Focus Areas, Financials, Resources"	Gray; Fischer; Cook; Schiller; Federighi; Schmalensee		802; 602; 37(c)	

Apple Inc.'s Trial Exhibit List

Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3138	U.S. Patent No. 8,099,332	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-3139	5/6/2019 email regarding "Fwd: Our Pact and Apple's MDM policy"	Cook; Schiller; Malackowski		602	
DX-3140	Apple, "App security overview," Apple Platform Security, available at https://support.apple.com/guide/security/app-security-overview-sec35dd877d01/web/1	Federighi; Schiller; Friedman; Haun; Kosmynka; Malackowski		802; 602	
DX-3141	Nokia, "Nokia Threat Intelligence Report – 2019," available at https://pages.nokia.com/T003B6-Threat-Intelligence-Report-2019.html	Hitt		802; 602	
DX-3142	PlayStation, "PlayStation Now," available at https://www.playstation.com/en-us/ps-now/	Hitt		802; 602	
DX-3143	Joseph Kim, "The Economy of the Metaverse: Interview with Epic CEO Tim Sweeney," GG Digest, July 27, 2020, available at https://medium.com/ggdigest/the-economy-of-the-metaverse-interview-with-epic-ceo-tim-sweeney-1822eed01ddf	Sweeney		802; 602	
DX-3144	4/9/2019 email regarding "Re: Gift card retail promo"	Shobin		802	
DX-3145	App Annie, "Garena Free Fire – The Cobra," available at https://www.appannie.com/en/apps/google-play/app/com.dts.freefireth	Hitt		802; 602; Illegible	
DX-3146	Yuval Kanarenstein, "SSD Advisory - iOS Jailbreak via Sandbox Escape and Kernal R/W leading to RCE," SSD Disclosure, available at https://ssd-disclosure.com/ssd-advisory-via-ios-jailbreak-sandbox-escape-and-kernel-r-w-leading-to-rce/	Rubin		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3147	Apple Special Event, September 10, 2013, video and transcript (Apple intends to show portions of the video corresponding to the following portions of the transcript: 2:1-3; 5:11-6:3; 11:19-12:23)	Schiller; Cook; Federighi		802	
DX-3148	Apple, "Haiku Article Preview: About the security content of iOS 10," available at https://accp.corp.apple.com/content/haiku/article/en_US/Kbase/028/207143.html?cq_ck=1612507794483	Federighi; Schiller; Friedman; Haun; Kosmynka		802; 602	
DX-3149	Brandon Griggs, "Developer Strikes it rich with iPhone Game," CNN.com, available at https://www.cnn.com/2008/TECH/11/18/iphone.game.developer/index.html	Schiller; Fischer; Pruden		802; 602	
DX-3150	U.S. Patent No. 8,306,367	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-3151	Apple, "Audio Unit," Apple Developer Documentation, available at https://developer.apple.com/documentation/audiounit	Malackowski; Schiller; Federighi; Haun		802; 602	
DX-3152	U.S. Patent No. 9,510,141	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-3153	Apple, "Haiku Article Preview: About the security content of Xcode 5.0," available at https://accp.corp.apple.com/content/haiku/article/en_US/Kbase/011/202813.html?cq_ck=1612504459275	Federighi; Schiller; Friedman; Haun; Kosmynka		802; 602	
DX-3154	12/20/2018 email regarding "Fwd: Exclusive Fortnite Offer Recap"	Schmid		802	
DX-3155	11/15/2019 email regarding "Re: 3 Year Corporate Forecast For Epic Board"	Babcock			
DX-3156	Google Stadia, "Play Stadia on iOS," available at https://support.google.com/stadia/answer/10204874	Hitt; Google custodian		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3157	Epic Games, Inc.'s Responses and Objections to Apple, Inc.'s Second Set of Interrogatories, dated January 29, 2021	Kreiner; Vogel	X		
DX-3158	Apple, "AR Creation Tools," Apple Developer, available at https://developer.apple.com/augmented-reality/tools/	Malackowski; Schiller; Federighi; Haun		802; 602	
DX-3159	Apple, "Core WLAN," Apple Developer Documentation, available at https://developer.apple.com/documentation/corewlan	Malackowski; Federighi; Haun		802; 602	
DX-3160	Microsoft, "Xbox Live Policies for PC and Mobile," Microsoft Docs, December 12, 2020, available at https://docs.microsoft.com/en-us/gaming/xbox-live/policies/live-policies-pc	Schmalensee		802; 602	
DX-3161	Danny Samson, "Intellectual Property Strategy and Business Strategy: Connections through Innovation Strategy," January 1, 2014, available at https://www.researchgate.net/publication/228740384_Intellectual_Property_Strategy_and_Business_Strategy_Connections_through_Innovation_Strategy	Malackowski		602	
DX-3162	10/24/2018 email regarding "Re: URGENT: We need to craft an emergency message"	Hutcheson			
DX-3163	Valerio Costamagna, et al. , "Identifying and evading android sandbox through usage-profile based fingerprints," Proceedings of the First Workshop on Radical and Experiential Security, available at https://dl.acm.org/doi/abs/10.1145/3203422.3203427	Rubin		106; 602	
DX-3164	"The Patents and Trademarks of Steve Jobs: Art and Technology that Changed the World," WIPO, https://www.wipo.int/export/sites/www/pressroom/en/documents/steve_jobs_brochure_2012.pdf	Malackowski		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3165	Slide deck titled "US Smartphone NPS Analysis: Latest Data Q4 2019," dated January 2020	Google custodian; Hitt		802; 602	
DX-3166	1/24/2020 email regarding "Re: EPIC ONLY: email to Google execs"	Malik		802	
DX-3167	5/2/2013 email regarding "Re: Trojan horse embedded in an iOS game"	Malackowski			
DX-3168	Apple Special Event, dated September 2015, video and transcript (Apple intends to show portions of the video corresponding to the following portions of the transcript: 2:1-4; 12:6-12; 23:3-26-16)	Schiller; Wright		802; 602	
DX-3169	Script titled "iPhone OS 4 Launch," dated April 8, 2010	Schiller; Malackowski			
DX-3170	Apple, "What are Frameworks?," available at https://developer.apple.com/library/archive/documentation/MacOSX/Conceptual/BPFrameworks/Concepts/WhatAreFrameworks.html	Malackowski; Haun; Federighi		802; 602	
DX-3171	7/22/2020 email regarding "Project Liberty Comms Copy Review"	Sweeney; Weissinger			
DX-3172	2/15/2019 email regarding "Re: Investing in the future of AR together"	Sweeney		802	
DX-3173	Google & Apple, "Privacy-Preserving Contact Tracing," available at https://covid19.apple.com/contacttracing	Schiller; Rubin		802; 602	
DX-3174	Presentation titled "iPhone Owner Study: Australia, China, France, Germany, Japan, India, UK, US," dated October, 2020	Schiller; Malackowski			
DX-3175	8/2/2019 email regarding "Fwd: Season X Today Story"	Malik		802	
DX-3176	David S. Evans, "Economics of Vertical Restraints for Multi-Sided Platforms," January 2, 2013, available at http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2195778	Rubinfeld; Evans		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3177	Document titled "Apple, Inc., iPhone SDK Launch," dated March 6, 2008	Schiller; Cook; Fischer; Kosmyinka; Rubinfeld; Schmalensee; Lafontaine; Malackowski			
DX-3178	Apple, "Core Services," Apple Developer Documentation, available at https://developer.apple.com/documentation/core-services	Malackowski; Federighi; Haun		802; 602	
DX-3179	U.S. Patent No. 8,358,314	Malackowski; Schiller; Federighi; Kosmyinka		602	
DX-3180	Euphemia Wong, "Principle of Consistency and Standards in User Interface Design," Interactive Design Foundation, January 2, 2021, available at https://www.interaction-design.org/literature/article/principle-of-consistency-and-standards-in-user-interface-design	Rubinfeld		802; 602	
DX-3181	Jonathan Borck, et al., "How Large Is the Apple App Store Ecosystem? A Global Perspective for 2019," Analysis Group, June 15, 2020, available at https://www.apple.com/newsroom/pdfs/app-store-study-2019.pdf	Schiller; Rubinfeld		802; 602	
DX-3182	Epic Games, "How do I install Fortnite using the Epic Games Launcher?," Fornite Support, available at https://www.epicgames.com/help/en-US/fortnite-c75/technical-support-c118/how-do-i-install-fortnite-using-the-epic-games-launcher-a6391	Hitt; Sweeney		602	
DX-3183	Apple, "User Notification," Apple Developer Documentation, available at https://developer.apple.com/documentation/user-notifications/	Malackowski; Haun; Federighi		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3184	Apple, "Apple to Support Third-Party Web 2.0 Applications," Apple Newsroom, available at https://www.apple.com/newsroom/2007/06/11iPhone-to-Support-Third-Party-Web-2-0-Applications/	Schiller; Rubin		802; 602	
DX-3185	the FTC, "The state of antitrust and consumer protection law and enforcement, and their development, since the Pitofsky hearings," available at https://www.ftc.gov/policy/public-comments/2018/07/initiative-755 accessed on February 14, 2021	Rubinfeld		802; 602	
DX-3186	Bloomberg Transcript of Apple Q3 2014 Earnings Call, dated July 22, 2014	Schiller; Cook; Federighi			
DX-3187	iMessage chat between Mike Schmid and Haseeb Malik, dated July 24, 2020	Malik; Schmid		802	
DX-3188	10/23/2018 email regarding "Fwd: FortniteMares Metadata Rejection"	Grimm; Schmid		802	
DX-3189	Screenshot of Andrew Grant's Tweet dated July 20, 2018	Grant			
DX-3190	Jason Snell and Dan More, "Live Update: 2010 WWDC Keynote," Macworld, June 7, 2010, available at https://www.macworld.com/article/1151730/liveupdate.html?page=2	Malackowski		802; 602	
DX-3191	Apple, "Haiku Article Preview: Apple security updates (2013)," available at https://accp.corp.apple.com/content/haiku/article/en_US/Kbase/023/205759.html?cq_ck=161257302972	Schiller; Federighi		802; 602	
DX-3192	Apple, "Apple Introduces New iPod touch," Apple Newsroom, September 1, 2010, available at https://www.apple.com/newsroom/2010/09/01Apple-Introduces-New-iPod-touch/	Malackowski; Cook		802; 602	
DX-3193	2/20/2018 email regarding "Re: Fortnite crossplay"	Kreiner			
DX-3194	6/11/2012 email regarding "Re: Store within a Store question..."	Apple custodian		802	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3195	12/6/2018 email regarding "Apple Noticed FN Starter Pack"	Sweeney; Hutcheson; Vogel		106	
DX-3196	Document titled "Mac Developer Program License Agreement," dated March 9, 2015	Schiller; Cook; Fischer; Kosmyinka		602	
DX-3197	U.S. Patent No. 9,143,317	Malackowski; Schiller; Federighi; Kosmyinka		602	
DX-3198	U.S. Patent No. 10,067,653	Malackowski; Schiller; Federighi; Kosmyinka		602	
DX-3199	Martin Robinson, "The big interview: Tim Sweeney on why players should embrace Epic Games' store," Eurogamer.net, available at https://eurogamer.net/articles/2019-03-21-the-big-interview...	Sweeney		802; 602	
DX-3200	The New York Times, "Digital Subscriptions," available at https://help.nytimes.com/hc/en-us/articles/115015852367-Digital-subscriptions	Hitt		602	
DX-3201	Apple, "iPhone 3G on Sale Tomorrow," Apple Newsroom, July 10, 2008, available at https://www.apple.com/newsroom/2008/07/10iPhone-3G-on-Sale-Tomorrow/	Schiller; Malackowski; Hitt		802; 602	
DX-3202	Apple, "Apple unveils all-new App Store," Apple Newsroom, available at https://www.apple.com/newsroom/2017/06/apple-unveils-all-new-app-store/	Schiller		802; 602	
DX-3203	Apple, "ResearchKit," Apple Developer, available at https://developer.apple.com/researchkit/	Malackowski; Haun; Federighi		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3204	US PTO, "Intellectual Property and the U.S. Economy," USPTO-Industries in Focus, September 26, 2016, available at https://www.uspto.gov/learning-and-resources/ip-motion/intellectual-property-and-us-economy	Malackowski		106; 802; 602	
DX-3205	4/8/2013 email regarding "Re: Rumor has Google close to buying WhatsApp for \$1B"	Cook; Schiller; Federighi; Malackowski			
DX-3206	7/23/2015 email regarding "RE: Universal Windows Platform Strategy"	Sweeney		802	
DX-3207	8/21/2018 email regarding "pushing gifting out"	Sweeney; Vogel			
DX-3208	Slide deck titled "Review Accuracy"	Malackowski			
DX-3209	Document titled "Epic Games, Project Liberty Campaign, Campaign Overview," dated June 24, 2020	Sweeney		602	
DX-3210	Presentation titled "App Store Survey," dated July 2012	Schmalensee; Schiller; Cook; Fischer; Kosmyinka; Malackowski		802; 602	
DX-3211	2/6/2008 email regarding "Good article"	Schiller		802	
DX-3212	Apple, "App Store Preview: Candy Crush Saga," available at https://apps.apple.com/us/app/candy-crush-saga/id553834731	Schiller; Fischer; Haun		802; 602; Illegible	
DX-3213	Consulting Services Agreement, dated August 1, 2020	Weissinger		1002	
DX-3214	11/3/2019 email regarding "E2 - 2020"	Babcock			
DX-3215	Executed agreement titled "Epic Games Store Distribution Agreement" between Epic and COMPANY, dated December 8, 2019	Sweeney; Allison; Hitt		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3216	Caitalin Cimpanu, "After two zero-days in Chrome desktop, Google patches a third zero-day in the Android version," ZD Net, November 3, 2020, available at https://www.zdnet.com/article/after-two-zero-days-in-chrome-desktop-google-patches-a-third-zero-day-in-the-android-version/	Rubin	X		
DX-3217	Document titled "US 500 2021: The Annual Report on the Most Valuable and Strongest American Brands," Brand Finance, January 2021	Malackowski		802; 602	
DX-3218	In-Stat document titled "There's an App for That: Smartphone Application Market Overcrowded but Downloads Continue to Rise," dated June 2011	Schiller; Malackowski		802; 602	
DX-3219	Apple, "Haiku Article Preview: Find My & Privacy," available at https://accp.copr.apple.com/content/haiku/article/en_US/Kbase/046/212037.html?cq_ck=1612520877831	Schiller; Federighi		802; 602	
DX-3220	11/17/2017 email regarding "Re: Crossplay"	Kreiner		802	
DX-3221	Slide deck titled "Android in China: A Parallel Universe"	Google custodian; Hitt		802; 602	
DX-3222	ECF No. 86-2, Exhibit B to declaration of Tim Sweeney, dated September 18, 2020	Kosmyinka		602	
DX-3223	"PlayStation Global Developer & Publisher Agreement," Sony Computer Entertainment, March 23, 2017 available at https://www.sec.gov/Archives/edgar/data/946581/000162828017005833/ex10-48.htm	Schmalensee		602	
DX-3224	Executed agreement titled "Epic Games Store Distribution Agreement" between Epic and COMPANY, dated August 19, 2019	Sweeney; Allison; Hitt			
DX-3225	Google Play, "Games - Android Apps on Google Play," available at https://play.google.com/store/apps/category/GAME	Hitt; Google custodian		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3226	Document titled "Apple Developer Program License Agreement," dated June 4, 2018	Schiller; Cook; Fischer; Kosmynka		602	
DX-3227	Apple, "Understanding Core Motion," Apple WWDC 2012, available at https://developer.apple.com/videos/play/wwdc2012/524/	Malackowski; Cook; Federighi; Schiller		106; 802; 602; 6(c)	
DX-3228	Apple, "Apple Announces iPad Air - Dramatically Thinner, Lighter & More Powerful iPad," Apple Newsroom, October 22, 2013, available at https://www.apple.com/newsroom/2013/10/23Apple-Announces-iPad-Air-Dramatically-Thinner-Lighter-More-Powerful-iPad	Malackowski; Cook		802; 602	
DX-3229	Apple, "Apple Trademark List," Apple Legal, available at https://www.apple.com/legal/intellectual-property/trademark/appletmlist.html	Malackowski; Federighi		802; 602	
DX-3230	Thomas Brewster, "Fake Pornhub and Google Android Apps Are Actually 'Russian Spy Tools,'" Forbes, July 24, 2019, available at https://www.forbes.com/sites/thomasbrewster/2019/07/24/warning-android-malware-masquerading-as-pornhub-google-and-evernote-is-actually-a-russian-spy-operation/	Rubin	X		
DX-3231	Apple, "Swift," Apple Developer, available at https://developer.apple.com/swift/	Malackowski; Haun; Federighi		802; 602	
DX-3232	Sam Machkovech, "Unreal Engine is now royalty-free until a game makes a whopping \$1 million," Ars Technica, May 13, 2020, available at https://arstechnica.com/gaming/2020/05/unreal-engine-is-now-royalty-free-until-a-game-makes-a-whopping-1-million/	Malackowski		802; 602	
DX-3233	Presentation titled "Fortnite: North America Publishing Update April 2019"	Weissinger			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3234	Apple, "Open a Mac app from an unidentified developer," macOS User Guide, available at https://support.apple.com/guide/mac-help/open-a-mac-app-from-an-unidentified-developer-mh40616/mac	Rubin; Schiller		802; 602	
DX-3235	Amazon, "Amazon Developer Services Agreement," Amazon Developer, January 22, 2021, available at https://developer.amazon.com/support/legal/da	Hitt		602	
DX-3236	Benj Edwards, From The Past to The Future: Tim Sweeney Talks," Gamasutra, May 25, 2009, available at https://www.gamastutra.com/view/feature/132426/...	Sweeney		802; 602	
DX-3237	7/9/2020 email regarding [EXTERNAL] . . . Investment	Sweeney		802	
DX-3238	Apple, "Your Apps on the App Store," Apple Developer, available at https://developer.apple.com/app-store-connect	Malackowski; Schiller; Fischer; Pruden		802; 602	
DX-3239	Aori, "Digital Fraud: How big of a problem is it?," The Funnel, March 15, 2019, available at https://aori.com/blog/click-fraud	Rubin		802; 602	
DX-3240	ECF No. 41-11, Byars decl. iso Motion for TRO Ex. K, Epic Games International, S.a r.l DPLA, dated June 30, 2020	Sweeney; Schiller		602	
DX-3241	U.S. Patent No. 8.949,935	Malackowski; Schiller; Federighi; Kosmyinka		602	
DX-3242	Apple, "Apple iOS and iPadOS Software License Agreement," available at https://www.apple.com/legal/sla/docs/iOS14_iPadOS14.pdf	Schiller; Malackowski		602	
DX-3243	U.S. Patent No. 8,584,027	Malackowski; Schiller; Federighi; Kosmyinka		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3244	Apple, "Updates to the App Store Review Guidelines," dated June 3, 2019, available at https://developer.apple.com/news/?id=06032019j	Rubin; Schiller		802; 602	
DX-3245	Apple, "iOS Security Guide White Paper: iOS 11," January 2018, available at https://www.apple.com/ca/business-docs/iOS_Security_Guide.pdf	Rubin; Federighi		802; 602	
DX-3246	Apple, "iAd," Apple Developer Documentation, available at https://developer.apple.com/documentation/ia	Malackowski; Federighi; Fischer; Schiller		802; 602	
DX-3247	5/17/2019 email regarding "Re: Apple developer access to Epic Games Inc"	Penwarden; Grant			
DX-3248	Document titled "2018 Global Games Market Report - Trends, Insights, and Projections Toward 2021" by Newzoo	Schiller; Malackowski		802; 602	
DX-3249	Apple, "Haiku Article Preview: Apple security updates (2014)," available at https://accp.corp.apple.com/content/haiku/article_US/Kbase/023/205762.html?cq_ck=1612527776915	Schiller; Federighi		802; 602	
DX-3250	Slide deck titled "Closing the Gen Z App Gap: Differences between Android and iOS users' experiences on Instagram and Snapchat"	Google custodian; Lafontaine		802; 602	
DX-3251	12/21/2018 email regarding "Re: Fortnite bundling promotion is a go"	Grimm; Schmid; Fischer		802	
DX-3252	5/13/2017 email regarding "Re: [Ops Alerted] Forums are reporting user accounts are inactive"	Sweeney; Vogel; Weissinger			
DX-3253	App Annie, "Pokémon Go," available at https://www.appannie.com/en/apps/google-play/app/com.nianticlabs.pokemongo/	Hitt		802; 602; Illegible	
DX-3254	2/1/2019 email regarding "Re: Concert Music Leak"	Sweeney			
DX-3255	U.S. Patent No. 10,505,872	Malackowski; Schiller; Federighi; Kosmynka		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3256	Agreement titled "Schedule 2," dated September 11, 2020	Schmalensee; Schiller; Lafontaine; Cook; Fischer; Kosmyinka		602	
DX-3257	Apple, "Core MIDI," Apple Developer Documentation, available at https://developer.apple.com/documentation/coremidi/	Malackowski; Federighi; Haun		802; 602	
DX-3258	Agreement concerning PlayStation	Schmalensee; Grant		602	
DX-3259	Federal Trade Commission, "Monopolization Defined," available at https://www.ftc.gov/tips-advice/competition-guidance/guide-antitrust-laws/single-firm-conduct/monopolization-defined	Lafontaine		802; 602	
DX-3260	Apple, "Haiku Article Preview: About the security content of Xcode 11.0," available at https://accp.corp.apple.com/content/haiku/article/en_US/Kbase/040/210609.html?cq_ck=1612519357320	Schiller; Federighi		802; 602	
DX-3261	Martim Labao, "Android versus iOS software updates revisited: Two years later and not much has changed," Android Police, available at https://www.androidpolice.com/2017/11/02/android-versus-ios-software-updates-revisited-two-years-later	Rubin	X		
DX-3262	Viveport, "Search results for 'Roblox,'" available at https://www.viveport.com/catalogsearch/result/?q=roblox	Hitt		802; 602	
DX-3263	Apple, "Haiku Article Preview: About the security content of iOS 13," available at https://accp.corp.apple.com/content/haiku/article/en_US/Kbase/040/210606.html?cq_ck=1612515834606	Schiller; Federighi		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3264	Apple, "Membership Detail," Apple Developer Program, available at https://developer.apple.com/programs/whats-included/	Schiller; Fischer; Haun		802; 602	
DX-3265	ECF No. 41-19, Byars Declaration in Support of Motion for TRO Ex. S, Psyonix DPLA, dated June 29, 2020	Sweeney; Schiller			
DX-3266	Document titled "Mac Developer Program License Agreement," dated June 11, 2012	Schiller; Cook; Fischer; Kosmynka		802; 602	
DX-3267	Apple, "About the iAd App Network Shutdown," Apple Developer, available at https://developer.apple.com/support/iad	Malackowski; Schiller; Pruden		802; 602	
DX-3268	Doug Gross, "Apple Trademarks 'There's an app for that,'" CNN, October 12, 2010, available at http://www.cnn.com/2010/TECH/mobile/10/12/app.for.that/index.html	Malackowski; Federighi		802; 602	
DX-3269	"Apple WWDC 2010, YouTube , December 31, 2011, available at https://www.youtube.com/watch?v=ldFx1ftxs0A	Malackowski; Schiller		106; 802; 602	
DX-3270	Slack exchange between Don Eubanks and Joe Kreiner, Thread ID: 2989140259, dated February 25, 2020	Kreiner			
DX-3271	"Form 10-K For the fiscal year ended December 31, 2018," Worldpay, Inc., February 26, 2019, available at https://www.sec.gov/Archives/edgar/data/1533932/000153393219000044/wp-20181231x10k.htm	Schmalensee; Cook		602	
DX-3272	7/17/2020 email regarding "Re: The Why"	Weissinger			
DX-3273	6/10/2020 email regarding "RE: [EXTERNAL] Re: Epic Microsoft Store - App Developer Agreement Change Notification - Effective July 10, 2020"	Sweeney; Kreiner		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3274	Google, "Improving the Update Process with Your Feedback," Android Developers Blog, available at https://android-developers.googleblog.com/2019/04/improving-update-process-with-your.html	Rubin; Google custodian	X		
DX-3275	3/31/2011 email regarding "Fwd: The Loop: Apple's protected App Store doesn't look so bad now"	Fischer		802	
DX-3276	Slide deck titled "App Review"	Schiller; Kosmynka; Fischer; Malackowski			
DX-3277	12/4/2018 email regarding "Payment processing fees"	Sweeney; Allison			
DX-3278	David Evans, "The Antitrust Economics of Multi-Sided Platform Markets," Yale Journal on Regulation, 20, 2003, pp. 325-381, available at https://digitalcommons.law.yale.edu/cgi/viewcontent.cgi?article=1144&context=yjreg	Schmalensee; Evans		602	
DX-3279	Presentation titled "User Privacy on iOS and OS X"	Schiller; Cook; Fischer; Kosmynka; Friedman		802; 602	
DX-3280	6/4/2019 email regarding "Re: [kairos] Re: Microsoft Announces Minecraft World"	Nikdel; Grant; Sweeney			
DX-3281	Apple, "Haiku Article Preview: iOS: Understanding Restrictions (Parental controls)," available at https://accp.corp.apple.com/content/haiku/article/en_US/Kbase/005/201304.html?cq_ck=1612600138381	Schiller; Federighi		802; 602	
DX-3282	Apple, "Framework: ImageCaptureCore," Apple Developer Documentation, available at https://developer.apple.com/documentation/imagecapturecore	Malackowski; Federighi; Fischer; Haun		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3283	Document titled "iOS Schedule 2, v16" dated October 17, 2013	Schiller; Cook; Fischer; Kosmynka; Gray		602	
DX-3284	Apple, "Carbon Core," Apple Developer Documentation, available at https://developer.apple.com/documentation/core-services/carbon_core	Malackowski; Federighi; Haun		802; 602	
DX-3285	David S. Evans and Richard Schmalensee, Matchmakers: The New Economics of Multisided Platforms, Harvard Business Review Press, May 3, 2016	Schmalensee; Evans			
DX-3286	Presentation titled "V-Buck Price-change Regroup," dated May 19, 2020	Weissinger		602	
DX-3287	U.S. Patent No. 9,684,501	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-3288	Apple, "Change your Apple ID country or region," Apple Support, available at https://support.apple.com/en-us/HT201389	Schiller; Gray; Lafontaine		802; 602	
DX-3289	Apple, "Enrolling and Managing Your Account with the Apple Developer App, Apple Developer Support, available at https://developer.apple.com/support/app-account	Schiller; Federighi; Rubin		802; 602	
DX-3290	5/16/2019 email regarding "Fwd: OurPact"	Sweeney; Federighi; Fischer; Cook; Malackowski		602	
DX-3291	Presentation titled "Geforce Now - Cloud Gaming," dated January 2019	Patel		802; 602	
DX-3292	Nathan Grayson, "Why People Are So Mad About The Epic Games Store," Kataku, April 8, 2019, available at https://kotaku.com/why-people-are-so-mad-about-the-epic-games-store-1833848770	Sweeney		802; 602	
DX-3293	Document titled "PlayStation Global Developer & Publisher Agreement"	Kreiner			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3294	9/14/2019 email regarding "RE: Epic Games Store Investment - COMPANY"	Sweeney; Allison			
DX-3295	12/20/2018 email regarding "Re: Apple Gifting, Promotions and Bundle"	Sweeney; Rein; Kreiner		802	
DX-3296	8/27/2019 email regarding ERB ticket re rejection	Kosmynka; Malackowski			
DX-3297	Document titled "Statement of Work Attachment"	Weissinger		1002	
DX-3298	Google, "Google Play Developer Distribution Agreement, effective as of Nov. 5, 2019," Google Play, available at https://play.google.com/about/developer-distribution-agreement.html	Evans			
DX-3299	PlayStation, "PS5 Entertainment," available at https://www.playstation.com/en-us/ps5/ps5-entertainment	Lafontaine		901; 602	
DX-3300	Agreement between Epic Games International S.a.r.l., and a Company, dated October 12, 2018	Weissinger		Illegible	
DX-3301	Document titled "Epic Games - November 2019 Business Report"	Babcock			
DX-3302	1/26/2018 email regarding "Re: Easyanticheat pricing budget approval request for Fortnite"	Sweeney; Babcock			
DX-3303	10/14/2019 email regarding "Fortnite Chapter 2 - Editorial & Marketing Plan of Action"	Grimm; Schmid		802	
DX-3304	Chance Miller, "Apple releases first beta of iOS 14.5, watchOS 7.4, and more to developers," 9to5Mac, February 1, 2021, available at https://9to5mac.com/2021/02/01/apple-releases-first-beta-of-ios-14-5-watchos-7-4-and-more-to-developers	Malackowski	X		
DX-3305	U.S. Department of Justice and Federal Trade Commission, "Antitrust Guidelines for the Licensing of Intellectual Property," January 12, 2017, available at https://www.justice.gov/atr/IPguidelines/download	Rubinfeld		802; 602	
DX-3306	Apkpure, available at https://apkpure.com	Rubin		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3307	U.S. Patent and Trademark Office Trademark Electronic Search System, results for "Apple inc," accessed on February 14, 2021, available at http://tmsearch.uspto.gov...	Malackowski		602	
DX-3308	Sarah Perez, "App Submissions on Google Play Now Reviewed by Staff, Will include Age-based Ratings," Tech Crunch, March 17, 2015, available at https://techcrunch.com/2015/03/17/app-submissions-on-google-play-now-reviewed-by-staff-will-include-age-based-ratings	Rubin	X		
DX-3309	4/19/2019 email regarding "Re: Bath Removal of Game Access through Uplay"	Kreiner; Allison	X	802	
DX-3310	Presentation titled "Project Liberty: Update to the Board of Directors," dated July 27, 2020	Sweeney			
DX-3311	Document titled "Intellectual Property Agreement," executed by Phillip Shoemaker, March 3, 2009	Shoemaker			
DX-3312	Document titled "Schedule 2," dated October 17, 2013	Schiller; Cook; Fischer; Kosmyinka; Gray		602	
DX-3313	FCC 10-81, Annual Report and Analysis of Competitive Market Conditions with Respect to Commercial Mobile Services, Fourteenth Report, May 20, 2010	Malackowski		802; 602	
DX-3314	Apple, "Foundation," Apple Developer Documentation, available at https://developer.apple.com/documentation/foundation	Malackowski; Federighi; Haun		802; 602	
DX-3315	7/23/2019 email regarding "Re: Hi Tim, reaching out from the WSJ"	Sweeney; Allison			
DX-3316	Presentation titled "Developers"	Schiller; Cook; Fischer; Kosmyinka; Gray		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3317	U.S. Patent No. 9,712,266	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-3318	Apple, "Apple TestFlight 3.0.1 License Agreement," TestFlight on the App Store, available at https://apps.apple.com/us/app/testflight/id899247664	Schiller; Malackowski		602	
DX-3319	Apple, "Haiku Article Preview: Apple Advertising & Privacy," available at https://accp.corp.apple.com/content/haiku/article/en_US/Kbase/020/205223.html	Schiller; Federighi		802; 602	
DX-3320	6/17/2016 email regarding "Clubs, LFG and Arena on Xbox Live Will Unite Gamers to Play and Compete - Xbox Wire"	Fischer		802	
DX-3321	Gamepedia, "Wegame," January 20, 2020, available at https://fortnite.gamepedia.com/Wegame	Hitt		602	
DX-3322	Document titled "Apple Developer Program License Agreement," dated September 19, 2017	Schiller; Cook; Fischer; Kosmynka; Gray		602	
DX-3323	Presentation titled "Business Overview"	Malackowski			
DX-3324	U.S. Patent Application No. 2019/0392441	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-3325	12/21/2018 email regarding "RE: Can Epic help with Game Pass?"	Sweeney		802	
DX-3326	8/5/2020 email regarding "Invitation: Project Liberty Standup @ Wed Aug 12, 2020 10am - 10:30am (EDT) (tim.sweeney@epicgames.com)"	Sweeney; Grant; Ko; Weissinger			
DX-3327	Apple, "Security Interface," Apple Developer Documentation, available at https://developer.apple.com/documentation/securityinterface	Malackowski; Haun; Federighi; Friedman		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3328	Lenovo, "SuperFish Vulnerability," Lenovo Knowledge Base & Guides, available at https://support.lenovo.com/us/en/product_security/ps500035-superfish-vulnerability	Rubin		802; 602	
DX-3329	Presentation titled "In-App Purchase for iOS and Mac OS X"	Schiller; Cook; Fischer; Kosmyinka; Gray		802; 602	
DX-3330	Roku, "Channel Store," Roku Apps Channels, available at https://channelstore.roku.com/browse/apps	Hitt		602	
DX-3331	10/29/2010 email regarding "App Review: November"	Apple custodian		802	
DX-3332	Chen Yu, "Sophisticated Android clickfraud apps pose as iPhone apps and devices," Sophos News, December 6, 2018, available at https://news.sophos.com/en-us/2018/12/06/android-clickfraud-fake-iphone	Rubin		802; 602	
DX-3333	7/2/2020 email regarding "Re: Project Liberty Update Meeting: Next Steps"	Sweeney; Grant; Weissinger			
DX-3334	"iPhone App Store Downloads Top 10 Million in First Weekend," Apple, July 14, 2008, https://www.apple.com/newsroom/2008/07/14iPhone-App-Store-Downloads-Top-10-Million-in-First-Weekend	Malackowski; Fischer; Schiller		802; 602	
DX-3335	"Apple Beta Developer Software Downloads," Apple, https://developer.apple.com/download	Schiller; Malackowski		802; 602	
DX-3336	Apple, "Haiku Article Preview – Protecting Security Information" available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/004/201214.html?cq_ck=1612591496219	Schiller; Federighi		802; 602	
DX-3337	Presentation titled "Project Liberty Update-July 16 2020"	Grant			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3338	Xcode Help, "Test a Beta Version – Manually Manage distribution signing" available at https://help.apple.com/xcode/mac/current/#/devcac6ab5b3	Rubin; Schiller		802; 602	
DX-3339	Apple Wiki, "Open GL," Fandom, https://apple.fandom.com/wiki/OpenGL	Malackowski; Federighi; Haun		802; 602	
DX-3340	Macworld, "Steve Jobs at D: All Things Digital, Live Coverage" available at https://www.macworld.com/article/1058128/s-teveatd.html	Rubin; Rubinfeld		802; 602	
DX-3341	Mac Developer Program License Agreement	Schiller; Cook; Fischer; Kosmynka; Gray		602	
DX-3342	Slack Chat Thread ID: 3013157607	Grant			
DX-3343	U.S. Patent No. 9,632,664	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-3344	8/13/2020 email regarding "Re: Liberty"	Sweeney; Weissinger			
DX-3345	10/11/2018 email regarding "Re: Waiting for review / in review"	Kosmynka		802	
DX-3346	Presentation titled "Smartphone Owners, US, UK, France, Germany, Japan, China, CY17-Q1"	Schiller; Malackowski		802; 602	
DX-3347	Online Platforms and Market Power, Part 6: Examining the Dominance of Amazon, Apple, Facebook, and Google: Hearing before the Subcommittee on Antitrust, Commercial, and Administrative Law, Mr. Cook's Responses to Questions for the Record from the Honorable Ken Buck [Mr. Cook's Responses to Ken Buck.pdf]	Cook; Rubinfeld		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3348	Mansoor Iqbal, "App Download and Usage Statistics (2020)," Business of App, updated October 30, 2020, available at https://www.businessofapps.com/data/app-statistics	Hitt		802; 602	
DX-3349	3/26/2020 email regarding "Google Play build"	Malik; Ko			
DX-3350	"RealityKit and Reality Composer, AR tools from Apple: A cheat sheet," Cory Bohon, Tech Republic, June 8, 2019, https://www.techrepublic.com/article/realitykit-and-reality-composer-ar-tools-from-apple-a-cheat-sheet	Malackowski	X		
DX-3351	"App Store," Apple, 2021, < https://www.apple.com/app-store/ >	Schiller; Rubinfeld; Rubin; Malackowski		802; 602	
DX-3352	Apple Developer Program License Agreement (Free Applications v5004.pdf)	Schiller; Cook; Fischer; Kosmyinka; Gray		602	
DX-3353	5/8/2017 email regarding "Re: ERB: Minecraft shared currency"	Kosmyinka		802	
DX-3354	"Qualcomm Announces BREW Gaming Solution," June 2, 2006, Gamasutra, https://www.gamasutra.com/view/news/100523/Product_Qualcomm_Announces_BREW_Gaming_Solution.php .	Malackowski	X		
DX-3355	David S. Evans and Michael D. Noel, "The Analysis of Mergers that Involve Multisided Platform Businesses," Journal of Competition Law & Economics, 4(3), 2008, pp. 663–695	Evans; Lafontaine		602	
DX-3356	"iPhone Developers Go From Rags to Riches," Brian X. Chen WIRED, September 19, 2008, available at https://www.wired.com/2008/09/indie-developer/	Schiller; Pruden; Fischer		802; 602	
DX-3357	6/14/2019 email regarding "Re: FORTNITE: Xcode 10 Support Help"	Hutcheson; Grimm; Schmid		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3358	"iOS From Scratch With Swift: First Steps With UIKit," Bart Jacobs, envatotuts+, December 16, 2015, https://code.tutsplus.com/tutorials/ios-from-scratch-with-swift-first-steps-with-uikit--cms-25461	Malackowski		802; 602	
DX-3359	2/19/2020 email regarding "Re: QIA - Written Responses"	Sweeney; Babcock		602	
DX-3360	1/20/2020 email regarding "Re: 2020 forecast(Internet mail)"	Babcock			
DX-3361	Screenshot of Andrew Grant's Tweet dated Sept. 24, 2020	Grant			
DX-3362	RedHat, "What is an SDK?" available at https://www.redhat.com/en/topics/cloud-native-apps/what-is-SDK	Hitt		802; 602	
DX-3363	6/6/2011 email regarding "Re: Netflix and Hulu"	Schiller; Fischer		802	
DX-3364	4/24/2020 email regarding "Re: Your pov on possible payment options"	Kreiner	X		
DX-3365	Spreadsheet with tabs titled "Revenue by App Category," "Revenue Breakdown," and "Number of App and In-App Sales"	Google custodian; Schmalensee		602	
DX-3366	Unreal Engine, "Unreal Engine, Frequently Asked Questions (FAQ)," available at https://www.unrealengine.com/en-US/faq	Hitt; Sweeney		106; 602	
DX-3367	Document titled "Next Steps"	Sweeney; Ko; Weissinger; Rein		602	
DX-3368	Coalition for App Fairness webpage	Ong		602	
DX-3369	3/17/2019 email regarding "Re: iOS TestFlight approvals"	Grant			
DX-3370	Schiller Decl. Exhibit B - Apple Developer Program License Agreement	Schiller; Malackowski		602	
DX-3371	Apple Newsroom, "Apple launches app development program to support women entrepreneurs," November 26, 2018, available at https://www.apple.com/newsroom/2018/11/a	Schiller; Cook; Fischer; Kosmyinka; Pruden; Grimm; Schmid		402; 403; 802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3372	"MusicKit JS," Apple, https://developer.apple.com/documentation/musickitjs/musickit	Malackowski; Haun; Federighi		802; 602	
DX-3373	7/29/2020 email regarding Amazon call	Ko; Sweeney; Allison; Kreiner			
DX-3374	"Create ML," Apple, https://developer.apple.com/documentation/coreml	Malackowski; Federighi; Haun		802; 602	
DX-3375	Apple Developer, "Beta Testing Made Simple with TestFlight," available at https://developer.apple.com/testflight	Schiller; Fischer; Haun		802; 602	
DX-3376	5/17/2019 email regarding "Re: Fortnite License Agreement with COMPANY approval request"	Sweeney; Babcock		1002	
DX-3377	Apple Settlement Agreement with an Individual	Shoemaker		402; 403	
DX-3378	Screenshot of Andrew Grant's Tweet dated March 17, 2017	Grant		802	
DX-3379	Apple, "Haiku Article Preview – placeholder for 31 loc test on Sunday, maybe" available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/004/201221.html?cq_ck=1612593761930	Schiller; Federighi		802; 602	
DX-3380	Document titled "iOS Apps Reviewed Summary," dated December 7, 2015	Malackowski; Kosmynka		602	
DX-3381	Document titled "9th Annual App Store Leadership Summit Notes"	Schiller; Cook; Fischer; Kosmynka; Pruden; Grimm; Schmid		802; 602	
DX-3382	9/10/2018 email regarding "Re: A Press Release in Turkey against Fortnite"	Sweeney; Rubin		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3383	Apple, "Haiku Article Preview – Manage your iTunes Store and App Store password preferences"available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/016/204030.html?cq_ck=1612596073326	Schiller; Federighi		802; 602	
DX-3384	Apple, "Haiku Article Preview – Security and your Apple ID"available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/005/201303.html?cq_ck=1612598031284	Schiller; Federighi		802; 602	
DX-3385	iMessage thread between Matt Fischer and Mark Rein, dated January 11, 2019	Rein			
DX-3386	1/11/2020 email regarding "Re: Epic Games – November 2019 Business Report(Internet_mail)"	Sweeney; Babcock			
DX-3387	1/9/2019 email regarding "Re: Switch performance & Issues"	Penwarden			
DX-3388	Schiller Decl. Exhibit C - App Store Review Guidelines	Schiller; Malackowski		602	
DX-3389	Apple, "Haiku Article Preview – About the security content of iOS 11"available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/032/208112.html?cq_ck=1612509320945	Schiller; Federighi		802; 602	
DX-3390	3/19/2015 email regarding "Re: A Medium story for you: "10 Things Google Play Does Better than the App Store""	Schmalensee; Gray; Fischer		602	
DX-3391	Slide deck titled "App Store Year-End Review: CY 2013"	Schiller; Fischer; Malackowski			
DX-3392	1/4/2019 email regarding "RE: Opening iOS to competing stores(Internet mail)"	Sweeney			
DX-3393	11/25/2014 email regarding "Re: FY15: 1 Day SLA"	Shoemaker		802	
DX-3394	1/9/2019 email regarding "Re:"	Sweeney			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3395	Apple, "Haiku Article Preview – Product security certifications for iPadOS" available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/042/211006.html?cq_ck=1612588703460	Schiller; Federighi		802; 602	
DX-3396	Apple Event, WWDC 2017, video and transcript (Apple intends to show portions of the video corresponding to the following portions of the transcript: 3:14-15; 44:24-45:24; 63:7-70:24)	Cook; Federighi; Schiller		802	
DX-3397	1/20/2018 email regarding "Re: SIDEBAR: customer support"	Sweeney			
DX-3398	9/16/2012 email regarding "Re: Tim Cook Email: Review process is lazy, frustrating ,disrespectful and discriminating [App Submission]"	Shoemaker			
DX-3399	Slide deck titled "Weekly Store Strategy Meeting Agenda," dated September 24, 2020	Sweeney; Allison; Hitt		602	
DX-3400	Epic structured data	Sweeney			
DX-3401	Session 710 - Privacy Support in iOS and OS X	Schiller; Cook; Fischer; Kosmynka; Gray		802; 602	
DX-3402	Document titled "App Review Process Flow: A to F"	Schiller; Kosmynka; Fischer; Malackowski			
DX-3403	Brand Finance, US 500 2021: The Annual Report on the Most Valuable and Strongest American Brands (Jan. 2021)	Rubin		106; 802; 602	
DX-3404	5/10/2018 email regarding "Re: iOS sideload - Invitation to edit"	Grant			
DX-3405	11/29/2017 email regarding "Fortnite mobile"	Sweeney; Rein			
DX-3406	Presentation titled "App Store Vs Android Market"	Apple custodian		106; 802; 1002	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3407	"Introducing App Store Connect," Apple, June 6, 2018, https://developer.apple.com/news/?id=06042018	Malackowski; Pruden; Fischer; Schiller		802; 602	
DX-3408	Epic Games, "FAQ," available at https://www.epicgames.com/fortnite/en-US/faq	Hitt; Sweeney		602	
DX-3409	U.S. Patent No. 8,484,728	Malackowski; Schiller; Federighi; Kosmyinka		602	
DX-3410	Apple, "Haiku Article Preview – OS X: About Gatekeeper" available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/009/202491.html?cq_ck=1612552781242	Schiller; Federighi		802; 602	
DX-3411	App Annie, "Candy Crush Saga," available at https://www.appannie.com/en/apps/google-play/app/com.king.candycrushsaga/	Hitt		802; 602; Illegible	
DX-3412	U.S. Patent Application No. 2020/0382616	Malackowski; Schiller; Federighi; Kosmyinka		602	
DX-3413	"'The Mobile Industry's Never Seen Anything Like This': An Interview With Steve Jobs at the App Store's Launch," available at https://www.wsj.com/articles/the-mobile-industrys-never-seen-anything-like-this-an-interview-with-steve-jobs-at-the-app-stores-launch-1532527201	Rubin		802; 602	
DX-3414	"MDM Compromise and Cerberus Malware Attack," Mobileiron, https://www.mobileiron.com/en/blog/mdm-compromise-and-cerberus-malware-attack	Rubin		802; 602	
DX-3415	"Video Toolbox," Apple, https://developer.apple.com/documentation/videotoolbox	Malackowski; Haun; Federighi		802; 602	
DX-3416	Android Developers, "Android Studio," available at https://developer.android.com/studio	Hitt; Google custodian		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3417	Match Group, Inc., Form 10-Q for the quarterly period ended September 30, 2020, filed on November 6, 2020.	Match custodian; Hitt		602	
DX-3418	Apple Special Event, September 2009, video and transcript (Apple intends to show portions of the video corresponding to the following portions of the transcript: 3:17-4:7; 21:5-13; 25:19-26:1; 26:10-28:20)	Cook; Federighi; Schiller		802	
DX-3419	Online Platforms and Market Power, Part 6: Examining the Dominance of Amazon, Apple, Facebook, and Google: Hearing before the Subcommittee on Antitrust, Commercial, and Administrative Law, Mr. Cook's Responses to Questions for the Record from the Honorable David N. Cicilline [Mr. Cook's Responses to David N. Cicilline.pdf]	Cook; Rubinfeld		802; 602	
DX-3420	Slide titled "2. Fees: Transaction fees & Others, 2019 Summary"	Grant; Schmalensee		602	
DX-3421	Apple Video Partner Program - Apple Developer.pdf https://developer.apple.com/programs/video-partner/	Schiller; Cook; Fischer; Kosmynka; Gray		802; 602	
DX-3422	6/10/2014 email regarding "Re: thank you!"	Fischer		802	
DX-3423	"Making the Most of the App Store," Apple, https://developer.apple.com/app-store/	Malackowski; Fischer; Schiller		802; 602	
DX-3424	2/27/2018 email regarding "Representation Agreement"	Rein			
DX-3425	"Metal Developer Tools for Windows Version 1.2 (for use with Xcode 12.2)," Apple , https://download.developer.apple.com/Developer_Tools/Metal_Developer_Tools_for_Windows_1.2/ Metal_Developer_Tools_for_Windows_1.2.pdf	Federighi; Schiller; Malackowski		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3426	Apple - Press Info - Apple Reinvents the Phone with iPhone Apple - Press Info - Apple Reinvents the Phone with iPhone.pdf	Schiller; Cook; Fischer		802; 602	
DX-3427	3/27/2019 email regarding "Re: Fortnite Metadata Rejection"	Schmid; Fischer		802; 602	
DX-3428	5/9/2018 email regarding "RE: New thoughts"	Sweeney		802	
DX-3429	"App Store Tops 40 Billion Downloads with Almost Half in 2012," Apple, January 7, 2013, https://www.apple.com/newsroom/2013/01/07App-Store-Tops-40-Billion-Downloads-with-Almost-Half-in-2012	Schiller; Malackowski		802; 602	
DX-3430	4/12/2020 email regarding "Re: What's happening in the community?"	Sweeney			
DX-3431	3/9/2020 email regarding "RE: Thank you"	Patel; Sweeney		802; 602	
DX-3432	7/29/2020 email regarding "Re: Verifying Statement about Payment Systems"	Vogel; Ko		602	
DX-3433	3/6/2018 email regarding "Re: Fortnite Mobile Cross Play"	Kreiner		802	
DX-3434	Numbers spreadsheet, file name "AutomationByGuidelines.numbers"	Malackowski; Kosmynka			
DX-3435	Entertainment Software Association, "2018 Sales, Demographic, and Usage Data: Essential Facts about the Computer and Video Game Industry," April 2018, available at https://www.theesa.com/wp-content/uploads/2019/03/ESA_EssentialFacts_2018.pdf	Hitt		802; 602	
DX-3436	John Markoff, "Steve Jobs Walks the Tightrope Again, The New York Times, January 12, 2007, https://www.nytimes.com/2007/01/12/technology/12apple.html	Rubin		802; 602	
DX-3437	Independent Developers Publishing Program on Xbox One Title Licensing Agreement	Kreiner; Schmalensee		602	
DX-3438	10/6/2007 email regarding "Re: iPhone public relations nightmare for Apple"	Schiller		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3439	Arnold Kim, "Steve Jobs Announces 3rd Party SDK for iPhone for February 2008," MacRumors.com, October 17, 2007, < https://www.macrumors.com/2007/10/17/steve-jobs-announces-3rd-party-sdk-for-iphone-for-february-2008/ >	Schiller; Rubinfeld		802; 602	
DX-3440	Apple Developer, "Choosing A Business Model," available at https://developer.apple.com/app-store/business-models	Schiller; Fischer; Haun		802; 602	
DX-3441	Presentation titled "Android to iPhone Switcher Study, US, UK, France, Germany, Japan, and China" dated September 2015	Schiller; Malackowski		802; 602	
DX-3442	U.S. Patent No. 10,706,604	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-3443	11/6/2019 email regarding "Re: Subscription Launch - Open Items"	Nikdel; Schmid		802	
DX-3444	iMessage thread between Mark Rein and Joe Babcock, dated October 10, 2019	Rein; Babcock		602	
DX-3445	Spreadsheet Workbook with nine tabs: Tab 1 "Fortnite-Consolidated Price P"; Tab 2 "Fortnite-New Price Points (~"; Tab 3 "Fortnite-Incremental V-Bucks"; Tab 4 "Fortnite-Incremental V-Bucks"; Tab 5 "UploadTab-All Price Points"; Tab 6 "UploadTab - Battle Breakers"; Tab 7 "Battle Breakers-Consolidated"; Tab 8 "UploadTab - Spyjinx"; Tab 9 "New Price Points"	Sweeney		602	
DX-3446	iOS Apps Reviewed Summary – January 29, 2020	Schiller; Cook; Fischer; Kosmynka; Gray		602	
DX-3447	Presentation titled "Apple App Store Brand Health Tracking, Top Line Report"	Schiller; Cook; Fischer; Kosmynka		802	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3448	1/17/2018 email regarding "Re: getting marketing out of Apple"	Sweeney; Rein; Kreiner			
DX-3449	Priya Ganapati, "Bloatware Creeps Into Android Phones," WIRED, July 21, 2010, https://www.wired.com/2010/07/bloatware-android-phones/	Rubin	X		
DX-3450	"Best Practices for Inclusive Design," Human Interface Guidelines, Apple Developer, https://developer.apple.com/design/human-interface-guidelines/accessibility/overview/best-practices/	Rubinfeld; Schiller; Fischer		802; 602	
DX-3451	4/15/2019 email regarding "Re: Walmart meeting follow up"	Penwarden; Sweeney; Allison; Grant; Kreiner; Rein			
DX-3452	Slide deck titled "Let's talk about our business model..."	Google custodian; Hitt		802; 602	
DX-3453	U.S. Patent No. 9,727,326	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-3454	12/11/2012 email regarding "Re: The Next Web: Microsoft balks at Apple's 30% fee, leaving SkyDrive and apps that integrate with it in the lurch on iOS"	Schiller; Fischer		802	
DX-3455	2/14/2020 email regarding "Fwd: Epic Games – 4Q19 Business Report(Internet mail)"	Sweeney		602	
DX-3456	10/15/2014 email regarding "Re: Binary Size Increase"	Fischer; Schmalensee		802; 602	
DX-3457	9/27/2019 email regarding "Chapter 2 Apple App Store Takeover"	Malik			
DX-3458	Improving the Update Process with Your Feedback (Apr. 15, 2019), https://androiddevelopers.googleblog.com/2019/04/improving-update-process-with-your.html	Kosmynka; Google custodian		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3459	11/10/2010 email regarding "Re: 6 Week App Review"	Shoemaker			
DX-3460	Apple letter re notice of violations of the Apple Developer Program License Agreement, dated August 14, 2020	Sweeney		802	
DX-3461	Executed agreement between Epic and a Company, dated January 18, 2019	Sweeney; Hitt		602	
DX-3462	Apple WWDC 2014 Keynote Address (HD), video and transcript (Apple intends to show portions of the video corresponding to the following portions of the transcript: 36:11-37:13; 66:18-72:2; 76:21-79:19; 87:19-88:19)	Cook; Federighi; Schiller		802	
DX-3463	Rob Griffiths, "Apple allows in-app purchasing for free App Store apps," Macworld, October 15, 2009, < https://www.macworld.com/article/1143339 >	Rubinfeld		802; 602	
DX-3464	Assignment and Assumption Agreement	Kreiner			
DX-3465	Presentation titled "iPad Buyer Survey" FY19-Q1 Report - US, UK, France, Germany, China, Japan, Mexico, India, Thailand, and Russia	Schiller; Malackowski; Schmalensee			
DX-3466	"Apple Reinvents the Phone with iPhone," Apple, January 9, 2007, available at https://www.apple.com/newsroom/2007/01/09Apple-Reinvents-the-Phone-with-iPhone	Cook; Schiller; Rubinfeld; Schmalensee; Malackowski		802; 602	
DX-3467	Presentation titled "Finance Board Update, February 2020"	Babcock; Hitt		602	
DX-3468	U.S. Patent Application No. 2017/0357936	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-3469	Epic Games - July 2019 Business Report	Babcock			
DX-3470	12/5/2018 email regarding "Re: passing payment fees to players"	Sweeney; Allison			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3471	App Store - Apple.pdf https://apps.apple.com/	Schiller; Cook; Fischer; Kosmynka; Federighi		802; 602; Illegible	
DX-3472	Collaboration Agreement between Epic and a Company, dated August 9, 2018	Sweeney; Ko; Hitt		602	
DX-3473	U.S. Patent No. 10,503,564	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-3474	"Jobs' original vision for the iPhone: No third-party native apps," 9to5Mac, October 21, 2011, < https://9to5mac.com/2011/10/21/jobs-original-vision-for-the-iphone-no-third-party-native-apps/ >	Rubinfeld		802; 602	
DX-3475	"Apple Updates iOS to 6.1," Apple, January 28, 2013, https://www.apple.com/newsroom/2013/01/28Apple-Updates-iOS-to-6-1	Malackowski; Schiller		802; 602	
DX-3476	7/13/2020 email regarding "Invitation: (HOLD) Project Liberty Sync @ Thu Jul 16, 2020 2pm - 3pm (PDT) (mmaloney@cravath.com)"	Sweeney; Grant; Weissinger			
DX-3477	Presentation titled "Millennial smartphone owners"	Schiller; Malackowski		802; 602	
DX-3478	8/7/2020 email regarding "Re: Apple"	Sweeney		802	
DX-3479	Document titled "Games", dated February 6, 2019	Schmid		802	
DX-3480	Apple, "Haiku Article Preview – Apple security updates" available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/004/201222.html?cq_ck=1612528446199	Schiller; Federighi		802; 602	
DX-3481	"Creating Better User Experiences on Google Play," March 17, 2015, https://android-developers.googleblog.com/2015/03/creating-better-user-experiences-on.html	Rubin; Google custodian	X		

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3482	Schedule 2, Mac Developer Program License Agreement	Schiller; Cook; Fischer; Kosmynka; Federighi		602	
DX-3483	Statement of Tim Cook Apple Inc. U.S. House of Representatives Judiciary Committee Subcommittee on Antitrust, Commercial and Administrative Law [Statement of Tim Cook, July 29, 2020.pdf]	Cook; Rubinfeld		802; 602	
DX-3484	Apple Developer, "Start Developing iOS Apps (Swift): Jump Right in," available at https://developer.apple.com/library/archive/referencelibrary/GettingStarted/DevelopiOSAppsSwift	Schiller; Fischer; Haun		802; 602	
DX-3485	Tim Sweeney DICE 2020 Talk, video and transcript (Apple intends to show portions of the video corresponding to the following portions of the transcript: 5:6-24; 7:15-8:16; 8:25-9:7; 11:1-11; 13:9-14:6)	Sweeney			
DX-3486	6/26/2020 email regarding "Re: (HOLD) V-Bucks Pricing Economic Impact"	Sweeney; Weissinger; Lafontaine		602	
DX-3487	"Apple Previews Developer Beta of iPhone OS 3.0," Apple, March 17, 2009, https://www.apple.com/newsroom/2009/03/17Apple-Previews-Developer-Beta-of-iPhone-OS-3-0	Schiller; Malackowski		802; 602	
DX-3488	Article titled, "Steve Jobs confirms native iPhone SDK by February," AppleInsider.com	Schiller; Cook		802; 602	
DX-3489	8/7/2020 email regarding "Apple"	Sweeney		802	
DX-3490	Microsoft, "Microsoft 365 and Office Resources," available at https://www.microsoft.com/en-us/microsoft-365/microsoft-365-and-office-resources/?rtc=1#coreui-heading-5dcqxz4	Hitt; Wright		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3491	U.S. Patent No. 8,446,415	Malackowski; Schiller; Federighi; Kosmyinka		602	
DX-3492	Apple Developer, "App Review," available at https://developer.apple.com/app-store/review	Schiller; Kosmyinka		802; 602	
DX-3493	11/24/2009 email regarding "Fwd: Gameloft"	Apple custodian		802	
DX-3494	U.S. Patent No. 10,216,962	Malackowski; Schiller; Federighi; Kosmyinka		602	
DX-3495	Oculus, "Experiences," available at https://www.oculus.com/experiences/quest	Hitt; Sharma		602	
DX-3496	"Delete built-in Apple apps on your iOS 12, iOS 13, or iPadOS device or Apple Watch" https://support.apple.com/en-us/HT208094	Rubin; Schiller		802; 602	
DX-3497	6/30/2018 email regarding "Re: Epic Games / Fortnite"	Schiller; Fischer		802	
DX-3498	"MediaToolbox.dll download," Wiki DLL, https://wikidll.com/apple/mediatoolbox-dll#:~:text=dll%3F-,MediaToolbox.,files%20of%20the%20Windows%20OS	Malackowski		802; 602	
DX-3499	Technobuffalo, "Palm: The Rise and Fall of a Legend," March 31, 2011, available at https://www.technobuffalo.com/palm-the-rise-and-fall-of-a-legend	Hitt		802; 602	
DX-3500	Computer Hope, "PalmPilot," December 16, 2018, available at https://www.computerhope.com/jargon/p/palmpilot.htm	Hitt		802; 602	
DX-3501	Tim Sweeney Tweets, dated July 31, 2020	Sweeney		802	
DX-3502	Epic Games slide deck re price elasticity	Weissinger; Vogel; Sweeney; Lafontaine; Hitt		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3503	8/15/2018 email regarding "Re: Security bug"	Sweeney; Rein		802	
DX-3504	Minecraft, "Where can I buy Minecraft Java Edition?" available at https://help.minecraft.net/hc/en-us/articles/360035131351-Where-can-I-buy-Minecraft-Java-Edition , accessed on February 9, 2020	Hitt; Wright		802; 602	
DX-3505	"Developer Program Policy (effective January 20, 2021)," Google, available at https://support.google.com/googleplay/android-developer/answer/10355942?hl=en , accessed on February 14, 2021	Schmalensee; Google custodian		602	
DX-3506	Document titled "Apple Xcode waiver discussion for Fortnite"	Hutcheson			
DX-3507	Apple, "App Store Preview: Google LLC," available at https://apps.apple.com/us/developer/google-llc/id281956209	Schiller; Fischer		802; 602	
DX-3508	Cody Toombs, "[Update: Delays may exceed 7 days] Google Play Store silently extends app review to many submissions, fails to inform developers," September 3, 2019, available at https://www.androidpolice.com/2019/09/03/google-play-expands-store-app-review/	Rubin	X		
DX-3509	Apple Support webpage, "Transfer a copy of your iCloud Photos collection to another service," at https://support.apple.com/en-us/HT208514	Schiller; Federighi		802; 602	
DX-3510	8/28/2018 email regarding "Re: Security bug"	Sweeney; Vogel			
DX-3511	Epic Games Web page, Competitive Payments and Support-A-Creator Update	Sweeney		602	
DX-3512	Session 301 - Introducing Expanded Subscriptions in iTunes Connect (WWDC16)	Schiller; Cook; Fischer; Kosmyinka; Federighi		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3513	Presentation titled "FY18 Developer Survey Results China, India, Japan, UK and U.S.," dated July 2018	Schiller; Cook; Fischer; Kosmyнка; Federighi; Gray; Pruden; Grimm; Schmid; Schmalensee		802; 602	
DX-3514	"Core Text," Apple, https://developer.apple.com/documentation/coretext	Malackowski; Federighi; Haun		802; 602	
DX-3515	6/5/2018 email regarding "Re: Staffing the Fraud Support filter"	Babcock			
DX-3516	Slide deck titled "BHU 27178, Video Partner Billing Project - Phase 1: SAP Design Playback," dated May 28, 2019	Schiller; Cook; Fischer; Kosmyнка; Gray; Malackowski			
DX-3517	8/4/2014 email regarding "This game made it to Google Play and then was removed..."	Shoemaker; Pruden		802	
DX-3518	"About Open GL for OS X," Apple, https://developer.apple.com/library/archive/documentation/GraphicsImaging/Conceptual/OpenGL-MacProgGuide/opengl_intro/opengl_intro.html	Malackowski; Schiller		802; 602	
DX-3519	Apple-Epic Quarterly Business Review: June 2020	Shobin; Schmalensee; Hitt		602	
DX-3520	Article titled "Virtual Currency" dated January 6, 2021	Evans			
DX-3521	Article titled "Android vs. iOS: User Differences Every Developer Should Know," https://www.comscore.com/Insights/Blog/Android-vs-iOS-User-Differences-Every-Developer-Should-Know	Rubin		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3522	App, "App Store Preview: Minecraft," available at https://apps.apple.com/us/app/minecraft/id479516143	Schiller; Fischer; Haun		802; 602	
DX-3523	4/27/2020 email regarding "Mobile Payment Strategies"	Sweeney; Ko			
DX-3524	GameStop, "Find a Store," available at https://www.gamestop.com/stores	Hitt		602	
DX-3525	"HomeKit," Apple, https://developer.apple.com/homekit	Malackowski; Federighi; Haun		802; 602	
DX-3526	Apple, "Haiku Article Preview – About the security content of Xcode" available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/020/205217.html?cq_ck=1612506199950	Schiller; Federighi		802; 602	
DX-3527	Presentation titled "iOS App Store Benefits Study, US," dated Sept. 2017	Schiller; Malackowski		802; 602	
DX-3528	8/9/2020 email regarding "Re: [Summary + China statements for review] VICE - Trump's Executive Order, Tencent, and Epic"	Sweeney			
DX-3529	"iOS From Scratch With Swift: Exploring the Foundation Framework," Bart Jacobs, envatotuts+, December 15, 2015, https://code.tutsplus.com/tutorials/ios-from-scratch-with-swift-exploring-the-foundation-framework--cms-25155#:~:text=The%20Foundation%20framework%20is%20the,strings%2C%20to%20arrays%20and%20dictionaries	Malackowski		802; 602	
DX-3530	Schiller Decl. Exhibit A - Apple Developer Agreement	Schiller; Malackowski		602	
DX-3531	Apple, "Haiku Article Preview – Keeping your confidential data secure during hardware repair," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/007/201857.html?cq_ck=1612526750532	Schiller; Federighi		802; 602	
DX-3532	Presentation titled "iPhone and Samsung Smartphone Owners," dated April 2014	Schiller; Malackowski		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3533	3/13/2018 email regarding "Re: Fortnite cross-play/progression deck"	Sweeney; Kreiner		802	
DX-3534	4/20/2018 email regarding "Epic Games – Q1 2018 Business Report"	Sweeney; Babcock			
DX-3535	"Metal Sample Code," Apple , https://developer.apple.com/metal/sample-code	Federighi; Schiller; Malackowski		802; 602	
DX-3536	5/11/2019 email regarding "Fwd: Apology - Epic Games store woes"	Kreiner; Sweeney; Allison			
DX-3537	Apple, "Haiku Article Preview – Fast charge your iPhone" available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/031/208137.html?cq_ck=16125258_05939	Schiller; Federighi		802; 602	
DX-3538	Slack Chat Thread ID: 3020971820 between Ray Park and Thomas Ko, August 12, 2020	Ko			
DX-3539	4/23/2020 email regarding "Re: Fortnite on the App Store"	Schmid; Fischer		802	
DX-3540	Article titled "Endpoint Protection – Five ways Android malware is becoming more resilient" available at https://community.broadcom.com/symantecenterprise/communities/community-home/librarydocuments/viewdocument?DocumentKey=99d9b265-1ce9-4dd4-887c-829dde647c7c&CommunityKey=1ecf5f55-9545-44d6-b0f4-4e4a7f5f5e68&tab=librarydocuments	Rubin		802; 602	
DX-3541	Microsoft Store, "App Developer Agreement," July 10, 2020, available at https://query.prod.cms.rt.microsoft.com/cms/api/am/binary/RE4o4bH	Hitt		602	
DX-3542	4/11/2018 email regarding "Re: Payment methods in multiple accounts"	Nikdel			
DX-3543	Apple, "App Store Preview: Uber," available at https://apps.apple.com/si/app/uber/id368677368	Schiller; Fischer		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3544	"App Store Rings in 2015 with New Records," Apple, January 8, 2015, https://www.apple.com/newsroom/2015/01/08App-Store-Rings-in-2015-with-New-Records	Schiller; Malackowski		802; 602	
DX-3545	"Apple Warns Employees to Stop Leaking Information to Media," Bloomberg, April 13, 2018, https://www.bloomberg.com/news/articles/2018-04-13/apple-warns-employees-to-stop-leaking-information-to-media	Malackowski	X		
DX-3546	"Apple's Commitment to Customer Privacy," Apple, June 16, 2013, https://www.apple.com/apples-commitment-to-customer-privacy/	Schiller; Federighi; Rubin		802; 602	
DX-3547	"Hardware security overview," Apple Platform Security, https://support.apple.com/guide/security/hardware-security-overview-secf020d1074/1/web/1	Schiller; Federighi		802; 602	
DX-3548	Presentation titled "Fortnite Economic Report," dated April, 2020 by Paul Ibarra, Nate Adams, and Dara Leung	Weissinger			
DX-3549	Mansoor Iqbal, "Spotify Usage and Revenue Statistics (2020)," Business of Apps, October 30, 2020, available at https://www.businessofapps.com/data/spotify-statistics	Hitt		802; 602	
DX-3550	U.S. Patent No. 9,589,068	Malackowski; Schiller; Federighi; Kosmyinka		602	
DX-3551	TIDAL, "Subscription Types," available at https://support.tidal.com/hc/en-us/articles/115003662825-Subscription-types	Hitt		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3552	Responsive Comment of Apple Inc. In Opposition to Proposed Exemptions 5A and 11A (Class #1), In the Matter of Exemption to Prohibition on Circumvention of Copyright Protection Systems for Access Control Technologies, Docket No. RM 2008-8, https://www.wired.com/images_blogs/threatlevel/2009/05/apple.pdf	Malackowski		802; 602	
DX-3553	12/9/2019 email regarding cross-play	Sweeney		802	
DX-3554	NVIDIA Presentation: GFN Review, January 8, 2021	Patel			
DX-3555	Apple, "Haiku Article Preview – Apple Store App & Privacy," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/040/210700.html	Schiller; Federighi		802; 602	
DX-3556	11/7/2017 email regarding "Re: Face Tracking w/ARKit - Apple Call - 2017-10-26"	Penwarden			
DX-3557	2/22/2019 email regarding "Re: Mobile vs Console NA ARPAU"	Weissinger			
DX-3558	Slide deck titled "Play Monthly Review, Sept[ember] 2020"	Google custodian; Hitt	X	802; 602	
DX-3559	NVD Article titled "CVE-2020-8913 Detail," available at https://nvd.nist.gov/vuln/detail/CVE-2020-8913#range-5840182	Rubin		802; 602	
DX-3560	Complaint For Patent Infringement, Apple Inc. v. Samsung Electronics Co. Ltd., February 8, 2012.	Malackowski		402; 403; 802; 602	
DX-3561	Document titled "iOS Security, iOS 9.0 or later," dated September 2015	Schiller; Federighi; Haun; Rubin; Schmalensee		802; 602	
DX-3562	8/13/2020 email regarding "Re: Fortnite and Epic Update"	Weissinger		802	
DX-3563	Document titled "Is there any other feedback that you would like to give to Apple? FY16 App Store Survey Open Responses"	Fischer; Schiller; Malackowski; Pruden			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3564	5/11/2020 email regarding "Re: Project Liberty"	Weissinger			
DX-3565	4/28/2018 email regarding "Re: State of Mobile Anticheat"	Penwarden; Sweeney			
DX-3566	Reuters, "About Apple Inc.," available at https://www.reuters.com/companies/AAPL.O	Hitt; Cook; Schiller; Fischer		802; 602	
DX-3567	Google Play Developer Distribution Agreement (Effective June 12, 2020), Bates Number EPIC_03846511	Sweeney		602	
DX-3568	8/12/2020 email regarding "Re: Project liberty PR"	Sweeney; Ko; Vogel		602	
DX-3569	Apple, "Haiku Article Preview – Activity Sharing & Privacy," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/040/210680.html	Schiller; Federighi		802; 602	
DX-3570	8/10/2020 email regarding "Re: Video Review - Liberty"	Sweeney; Weissinger			
DX-3571	Epic structured data	Sweeney; Grant; Kreiner; Weissinger; Hitt			
DX-3572	Slide deck titled "State of Unreal: Tim Sweeney, Founder & CEO"	Sweeney; Malackowski		602	
DX-3573	Schedule 2, Apple Developer Program License Agreement (v111, 3 June 2019)	Schiller; Cook; Fischer; Kosmynka; Federighi;		602	
DX-3574	7/28/2020 email regarding "Re: Fwd: Issue from Australia"	Schmid		802	
DX-3575	12/8/2018 email regarding "Re: Apple Noticed FN Starter Pack"	Sweeney; Hutcheson			
DX-3576	6/20/2018 email regarding "Re: Mac Screenshot"	Hutcheson			
DX-3577	Enroll in the new App Store Small Business Program - News - Apple Developer.pdf Small Business Program	Schiller; Cook; Fischer; Kosmynka;		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3578	Session 304, iTunes Connect – Development to Distribution (WWDC15)	Schiller; Cook; Fischer; Kosmynka;		802; 602	
DX-3579	Session 717, Kids and Apps – How to deal with kids worldwide (WWDC14)	Schiller; Cook; Fischer; Kosmynka;		802; 602	
DX-3580	The Epic Games store earns a net profit on each transaction from its 12% store (Tweet dated April 3, 2019)	Sweeney		802; Illegible	
DX-3581	“Beta Testing Made Simple with TestFlight,” Apple, https://developer.apple.com/testflight	Malackowski; Schiller; Federighi; Haun		802; 602	
DX-3582	Schedule to Agreement	Kreiner; Hitt		602	
DX-3583	7/26/2019 email regarding "Re: ARKit 3 support for UE4"	Grant			
DX-3584	Spreadsheet with tabs titled "App Sales (USD)," "In-App Product Sales (USD)," and "Subscription Payments (USD)"	Google custodian; Hitt; Schmalensee		602	
DX-3585	Agreement titled "Valve Corporation, Steam Distribution Agreement - Online Version"	Schmalensee		602	
DX-3586	Presentation titled "STAGING - Liberty Partner Comms - Phase 1"	Sweeney; Weissinger		602	
DX-3587	Agreement between Epic Games, Inc. and a Company, dated May 8, 2017	Sweeney; Kreiner; Rein			
DX-3588	Google Play, “Weather Forecast & Snow Radar: The Weather Channel,” available at https://play.google.com/store/apps/details?id=com.weather.Weather&hl=en_US&gl=US	Hitt; Google custodian		802; 602	
DX-3589	Rene Ritchie, “Apple iPad and iPhone 3.2 Preview,” iMore, February 1, 2010, https://www.imore.com/apple-ipad-iphone-32-os-preview	Schiller; Malackowski		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3590	Apple, "Haiku Article Preview – iTunes Store & Privacy" available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/033/208477.html?cq_ck=1612594706332	Schiller; Federighi		802; 602	
DX-3591	Bulk Data API Documentation, October 17, 2020	Hitt		602	
DX-3592	Advisory Details: (Pwn20wn) Samsung Galaxy 510 IndexedDB Use-After-Free Sandbox Escape Vulnerability," Zero Day, February 20, 2020, https://www.zerodayinitiative.com/advisories/ZDI-20-256	Rubin		802; 602	
DX-3593	iPhone OS 3.0 Software Sneak Peak 2009, video and transcript (Apple intends to show portions of the video corresponding to the following portions of the transcript: 2:7-16; 3:4-10; 3:19-7:21; 8:15-12:14)	Schiller; Cook; Fischer; Kosmynka;		802	
DX-3594	"Developers see a world of possibilities with new App Store Small Business Program,"- Apple	Schiller; Cook; Fischer; Kosmynka		802; 602; Illegible	
DX-3595	"What is an API? Application programming interfaces explained," Jonathan Freeman, InfoWorld , August 8, 2019, https://www.infoworld.com/article/3269878/what-is-an-api-application-programming-interfaces-explained.html	Malackowski		802; 602	
DX-3596	Christian Nutt, "Epic radically changes licensing model for Unreal Engine," Gamasutra, March 19, 2014, https://www.gamasutra.com/view/news/213517/Epic_radically_changes_licensing_model_for_Unreal_Engine.php	Schiller		802; 602	
DX-3597	Jason D. O'Grady, "BREAKING: Third party applications confirmed for iPhone (updated)," ZDNet, October 17, 2007, https://www.zdnet.com/article/breaking-third-party-applications-confirmed-for-iphone-updated/	Rubin	X		

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3598	Slide deck titled "Smartphone Purchase Journey 2018: US Findings: P&E Marketing Analytics / October 2018"	Google custodian; Hitt		802; 602	
DX-3599	Website titled "New Revenue Share Tiers and other updates to the Steam Distribution Agreement," dated November 30, 2018, available at https://steamcommunity.com/groups/steamworks/announcements/detail/1697191267930157838	Hitt		802; 602	
DX-3600	Apple, "Haiku Article Preview – About the security content of iOS 8," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/005/201395.html?cq_ck=1612523150050	Schiller; Federighi		802; 602	
DX-3601	"Security," Apple, https://developer.apple.com/documentation/security	Malackowski; Schiller; Federighi; Friedman		802; 602	
DX-3602	1/27/2020 email regarding "Your app, Fortnite, may be featured on the App Store."	Sweeney; Malackowski		602	
DX-3603	Slide deck titled "App Store Business Update: 2014 (draft)"	Schiller; Fischer; Malackowski			
DX-3604	"Breaking Benjamin, Weezer and more added to Guitar Hero iPhone store," G. McElroy, July 23, 2010, engadget.com , https://www.engadget.com/2010-07-23-breaking-benjamin-weezer-and-more-added-to-guitar-hero-iphone-s.html	Malackowski	X		
DX-3605	9/11/2019 email regarding "Fortnite Performance Analysis and Churn Mitigation Plan"	Schmid		802	
DX-3606	U.S. Patent No. 10,388,054	Malackowski; Schiller; Federighi; Kosmyinka		106; 602	
DX-3607	2020.08.23 [41 - 41-22] - Byars decl. iso Motion for TRO Ex. L.pdf Life on Air, Inc. Developer Agreement (5/7/2018)	Sweeney; Schiller			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3608	Presentation titled "Epic Games Project E2," dated January 2020	Babcock			
DX-3609	6/28/2020 email regarding "Re: Project Liberty Update"	Sweeney		602	
DX-3610	4/23/2020 email regarding "Re: TimS request"	Weissinger			
DX-3611	Apple, "Haiku Article Preview – Protecting Security Information: PGP Archive," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/004/201215.html?cq_ck=1612608687852	Schiller; Federighi		802; 602	
DX-3612	3/10/2018 email regarding "Re: Latest - Commerce and Payments Deck - DRAFT"	Gray			
DX-3613	2/16/2011 email regarding "2.15 Developer feedback on Subscriptions"	Schiller; Haun; Pruden			
DX-3614	Internet Security Threat Report, Symantec, at 11 (Apr. 2016) ("Apple is well-known for its stringent screening processes, which is why the number of malicious iOS apps is so much smaller than for Android."), https://docs.broadcom.com/doc/istr-21-2016-en	Kosmynka		802; 602	
DX-3615	"Profiles," Apple, https://developer.apple.com/account/resources/profiles/list	Malackowski; Haun; Federighi		802; 602	
DX-3616	U.S. Patent Application No. 2020/0412980	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-3617	Apple Developer Program License Agreement, last accessed on February 4, 2021	Schiller; Malackowski		602	
DX-3618	"Complete list of macOS versions," Karen Haslam, Macworld, December 3, 2020, https://www.macworld.co.uk/feature/os-x-macos-versions-3662757	Malackowski		802; 602	
DX-3619	11/12/2019 email regarding "Re: Epic Games – 3Q19 Business Report(Internet mail)"	Sweeney			
DX-3620	5/6/2020 email regarding Fortnite on Google Play	Sweeney; Ko		802	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3621	“Apple Announces New iOS App Design and Development Accelerator in Bengaluru,” Apple, May 18,2016, https://www.apple.com/newsroom/2016/05/18Apple-Announces-New-iOS-App-Design-and-Development-Accelerator-in-Bengaluru/	Schiller; Cook; Fischer; Kosmynka;		802; 602	
DX-3622	“App Store Downloads Top 100 Million Worldwide,” Apple, September 9, 2008, https://www.apple.com/newsroom/2008/09/09App-Store-Downloads-Top-100-Million-Worldwide	Schiller; Malackowski		802; 602	
DX-3623	Presentation titled "iPad Buyer Survey FY14-Q2 Global Report," dated July 22, 2014	Schiller; Malackowski		802; 602	
DX-3624	Apple Inc. Form 10-K for the fiscal year ending September 30, 2017	Malackowski; Schmalensee; Hitt; Lafontaine; Rubinfeld; Cook; Schiller; Fischer		602	
DX-3625	Roblox, “Buy Robux,” available at https://www.roblox.com/upgrades/robux	Hitt		602	
DX-3626	12/17/2019 email regarding "Re: [hi] Earn even more through the Epic Games Store with Xsolla"	Sweeney; Allison; Kreiner; Schmalensee		802; 602	
DX-3627	Manoj Chakraborty, “Best Sites To Download Cracked Android apps apk,” TechPanga, January 14, 2021, https://techpanga.com/download-cracked-android-apps/	Rubin	X		
DX-3628	Apple, “App Store Preview: Electronic Arts,” available at https://apps.apple.com/us/developer/electronic-arts/id284800461	Schiller; Fischer		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3629	Presentation titled "Xbox LIVE Games Marketplace - Guiding Principles, Mission and Vision" by Interactive Entertainment Business, dated June 11, 2011	Wright		802; 602	
DX-3630	The State of Unreal Engine, GDC 2015 Event Coverage, video and transcript (Apple intends to show portions of the video corresponding to the following portions of the transcript: 2:10-12; 5:11-6:15)	Sweeney			
DX-3631	3/27/2020 email regarding "Re: CONFIDENTIAL BOARD COMMUNICATION I 3rd Party Publishing Deals"	Allison			
DX-3632	U.S. Patent No. 10,839,577	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-3633	Document titled "Policy & Escalations"	Malackowski; Kosmynka			
DX-3634	6/23/2018 email regarding "Re: Epic/Apple - Fortnite Marketing follow up"	Hutcheson			
DX-3635	"Motion Events Part 2: Core Motion," TechRepublic, May 28, 2013, https://www.techrepublic.com/blog/software-engineer/motion-events-part-2-core-motion/ .	Malackowski	X		
DX-3636	4/23/2020 email regarding "Re: Fortnite on the App Store"	Sweeney; Fischer			
DX-3637	Blizzard Shop, "World of Warcraft: Subscription," available at https://us.shop.battle.net/en-us/product/world-of-warcraft-subscription	Hitt		602	
DX-3638	"GameKit," Apple, https://developer.apple.com/documentation/gamekit	Malackowski; Federighi; Haun; Schiller		802; 602	
DX-3639	U.S. Patent No. 9,818,023	Malackowski; Schiller; Federighi; Kosmynka		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3640	Epic Games, "The Ultimate Fortnite Offer: Announcing Fortnite Crew," November 24, 2020, available at https://www.epicgames.com/fortnite/en-US/news/the-ultimate-fortnite-offer-announcing-fortnite-crew	Hitt; Sweeney		602	
DX-3641	Email from Matt Weissinger, dated May 22, 2020	Sweeney; Weissinger		602	
DX-3642	"Apple unveils all-new App Store," Apple, June 5, 2017, available at https://www.apple.com/newsroom/2017/06/apple-unveils-all-new-app-store	Schiller; Schmalensee; Malackowski		802; 602	
DX-3643	8/13/2020 email regarding "Direct payments through Google Play"	Ko; Sweeney		602	
DX-3644	NVIDIA, "GeForce NOW: System Requirements," available at https://www.nvidia.com/en-us/geforce-now/system-reqs	Hitt; Patel		802; 602	
DX-3645	Presentation titled "US Mobile Phone Market Study Pre-iPhone Launch," dated June 2007	Schiller; Cook; Fischer; Kosmyinka; Schmalensee; Malackowski		802; 602	
DX-3646	"Apple FairPlay Streaming DRM," Intertrust, https://www.intertrust.com/products/drm-system/apple-fairplay-streaming-dr	Malackowski		802; 602	
DX-3647	Session 305: Preventing Unauthorized Purchases with Receipts (#WWDC14)	Schiller; Cook; Fischer; Kosmyinka;		802; 602	
DX-3648	"In-App Purchase," Apple, https://developer.apple.com/in-app-purchase	Malackowski; Federighi; Fischer; Schiller		802; 602	
DX-3649	John Markoff, "Steve Jobs Walks the Tightrope Again," New York Times, January 12, 2007, https://www.nytimes.com/2007/01/12/technology/12apple.html	Schiller; Cook		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3650	U.S. Patent No. 9,948,728	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-3651	"Core Animation," Apple, https://developer.apple.com/documentation/quartzcore	Malackowski; Federighi; Haun		802; 602	
DX-3652	Presentation titled "Kantar Global Mobile Report CQ4'19"	Malackowski; Schiller; Cook; Fischer; Kosmynka;		802; 602	
DX-3653	Document titled "Epic Games, Inc. and Subsidiaries - Consolidated Financial Statements December 31, 2019 and 2018"	Babcock			
DX-3654	1/30/2020 email regarding "Re: 2GB IOS Devices that play FN"	Shobin			
DX-3655	"Image I/O," Apple, https://developer.apple.com/documentation/imageio	Malackowski; Federighi; Fischer; Haun		802; 602	
DX-3656	Apple Inc. FQ1 2009 Earnings Call Transcript, January 21, 2009	Malackowski; Cook		802; 602	
DX-3657	Spreadsheet with five tabs: Tab 1 "Epic Games, Inc. Fortnite Budget vs Actual Review September 2017"; Tab 2 "Outsourced Development Detail September 2017"; Tab 3 "Sept Head Count"; Tab 4 "Mid-Year Re-forecast"; Tab 5 "Mid-Year Re-forecast-OS Dev"	Babcock; Hitt		602	
DX-3658	Screenshot of Andrew Grant's Tweet dated May 30, 2016	Grant			
DX-3659	U.S. Patent No. 9,378,340	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-3660	Epic Agreement with a Company, dated May 31, 2017	Kreiner			
DX-3661	5/16/2020 email regarding "Re: Apple attendees"	Schmid; Fischer; Weissinger		602	
DX-3662	Agreement between Epic Games International S.a.r.l., and a Company	Weissinger			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3663	Epic Games Web Message, Consumer Choice & Competition, dated June 30, 2020	Sweeney			
DX-3664	U.S. Patent No. 9,880,824	Malackowski; Schiller; Federighi; Kosmyinka		602	
DX-3665	12/4/2018 email regarding "Re: Epic Games store"	Sweeney		106	
DX-3666	Roblox, "Roblox," available at https://corp.roblox.com	Hitt		802; 602	
DX-3667	Melissa Perenson, "Google Launches Android Market," PCWorld, October 22, 2008, https://www.pcworld.com/article/152613/google_android_ships.html	Schiller; Fischer		802; 602	
DX-3668	Apple, "Haiku Article Preview – iCloud security and privacy overview" available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/009/202303.html?cq_ck=1612608763694	Schiller; Federighi		802; 602	
DX-3669	Epic Games, Inc.'s Responses and Objections to Apple Inc.'s First Set of Requests For Admission dated February 15, 2021	Weissinger; Allison; Grant; Vogel; Rein			
DX-3670	7/22/2020 email regarding "Invitation: Project Liberty Update @ Wed Jul 22, 2020 2pm - 3:30pm (EDT) (Nathan Mooney)"	Sweeney; Grant; Ko; Weissinger			
DX-3671	Zach Epstein, "Survey reveals why people ditch Android for the iPhone, and vice versa," BGR, April 24, 2018, available at https://bgr.com/2018/08/24/iphone-vs-android-switch-survey/	Rubin		802; 602	
DX-3672	Apple, "Apple" available at https://www.apple.com	Malackowski; Schiller; Cook		802; 602	
DX-3673	5/22/2018 email regarding "Re: RMT Offer #2 on Switch and Apple"	Nikdel			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3674	Apple, "Haiku Article Preview – Apple Pay & Privacy" available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/040/210665.html?cq_ck=1612522268730	Schiller; Federighi		802; 602	
DX-3675	iOS Schedule 2 v14	Schiller; Cook; Fischer; Kosmynka		602	
DX-3676	U.S. Patent No. 9,633,226	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-3677	1/4/2016 email regarding "Re: Invoice - Duiker Research Consulting - 12/14/15 through 12/23/15"	Sweeney		602	
DX-3678	Epic Games, "Epic Games Store 2020 Year in Review" available at https://www.epicgames.com/store/en-US/news/epic-games-store-2020-year-in-review	Sweeney; Allison		602	
DX-3679	Apple, "App Store Review Guidelines"	Schiller; Kosmynka; Malackowski			
DX-3680	Apple, "What is Core Audio?," available at https://developer.apple.com/library/archive/documentation/MusicAudio/Conceptual/CoreAudioOverview/WhatisCoreAudio/WhatisCoreAudio.html	Malackowski; Haun; Federighi		802; 602	
DX-3681	Slack messages among Alec Shobin; Arthur Flew; Cameron Payne; Carlos Almeida; Chane Hollander; Chris Adams; David Hook; Devin Winterbottom; Ed Zobrist; Elizabeth Cook; Garth O'Brien; Jeremy Hoffmann; Jodi Lamela; Joseph Sozio; Julian Eggebrecht; Mana Drake; Matt Grandstaff; Matt Salazar; Matt Weissinger; Michael House; Nick Chester; Sarah Germano; Scott Nellessen; Steven Allison; Tony Rossi; Wen-Jen Chang, dated August 12, 2020	Sweeney; Allison; Weissinger			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3682	Apple, "Apple Developer," available at https://developer.apple.com/	Schiller; Cook; Fischer; Kosmynka; Pruden; Grimm; Schmid		802; 602	
DX-3683	6/26/2020 email regarding "Re: Fortnite player & creator payments"	Sweeney; Hutcheson; Ko		602	
DX-3684	U.S. Patent No. 10,656,920	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-3685	2/2/2017 email regarding "Re: Coin Booster"	Malackowski; Kosmynka			
DX-3686	Document titled "Epic Mobile Status Update - 04/30/2020" re Fortnite Mobile KPI Details; Google Play Launch; User Acquisition (4/21 to 4/28)	Sweeney		602	
DX-3687	Apple, "Haiku Article Preview – Apple Arcade & Privacy," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/040/210660.html?cq_ck=1612518566775	Schiller; Federighi		802; 602	
DX-3688	Document titled "iOS Schedule 2 v15"	Gray; Schiller; Cook; Fischer; Kosmynka;		602	
DX-3689	2/7/2019 email regarding "Re: XCode Transition Call Request"	Hutcheson; Grimm; Schmid			
DX-3690	Apple, "Apple's Revolutionary App Store Downloads Top One Billion in Just Nine Months," April 24, 2009, available at https://www.apple.com/newsroom/2009/04/24Apples-Revolutionary-App-Store-Downloads-Top-One-Billion-in-Just-Nine-Months/	Malackowski; Schiller; Fischer		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3691	Epic Games, Inc.'s Response and Objections to Apple Inc.'s First Set of Interrogatories	Vogel; Grant; Allison; Weissinger			
DX-3692	Square, "Develop on the platform that sellers trust."	Schmalensee		602	
DX-3693	Declaration of Mike Schmid in Support of Apple's PI Opposition Brief (ECF No. 79)	Schmid		802	
DX-3694	Leena Rao, "Jobs: 6.5 Billion Apps Downloaded From The App Store," TechCrunch, September 1, 2010, available at https://techcrunch.com/2010/09/01/jobs-6-5-billion-apps-downloaded-from-app-store/	Malackowski; Schiller		802; 602	
DX-3695	Apple, "App Store Review Guidelines" available at https://developer.apple.com/app-store/review/guidelines/#kids-category	Schiller; Cook; Fischer; Kosmyinka;			
DX-3696	U.S. Patent No. 9,524,500	Malackowski; Schiller; Federighi; Kosmyinka		602	
DX-3697	Apple, "CFNetwork," available at https://developer.apple.com/documentation/cf-network	Malackowski; Federighi; Haun		802; 602	
DX-3698	5/4/2020 email regarding "FN economy deflation"	Weissinger			
DX-3699	7/21/2020 email regarding "Re: Coalition Partner Tracker"	Weissinger			
DX-3700	Michael Potuck, "Apple releases first macOS Big Sur 11.3 beta for developers," 9to5Mac, February 2, 2021, available at https://9to5mac.com/2021/02/02/first-macos-big-sur-11-3-beta/	Malackowski	X		
DX-3701	3/29/2019 email regarding "App Review Times EOL"	Kosmyinka		802	
DX-3702	Dave Van Tassell, "The New iTunes Connect," 2014	Schiller; Cook; Fischer; Kosmyinka;		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3703	App Annie, "Lords Mobile: Kingdom Wars," available at https://www.appannie.com/en/apps/google-play/app/com.igg.android.lordsmobile/	Hitt; Google custodian		802; 602; Illegible	
DX-3704	Apple, "Haiku Article Preview – Apple ID, Media Services, and Privacy," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/033/208512.html?cq_ck=1612521009176	Schiller; Federighi		802; 602	
DX-3705	Apple, "Haiku Article Preview – About the security content of Xcode 8," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/028/207140.html?cq_ck=1612507421092	Schiller; Federighi		802; 602	
DX-3706	Russell L. Parr, Intellectual Property, Valuation, Exploitation, and Infringement Damages, Fifth Edition, 2018	Malackowski		802; 602	
DX-3707	Twitch, "Twitch Affiliate Agreement," October 7, 2019, available at https://www.twitch.tv/p/legal/affiliate-agreement/	Hitt		602	
DX-3708	King Games, "Candy Crush Saga," available at https://www.king.com/game/candycrush	Hitt		602	
DX-3709	U.S. Patent No. 10,319,068	Malackowski; Schiller; Federighi; Kosmyinka		602	
DX-3710	Andy Wu and Christopher Zhang, "Epic Games," Harvard Business School, March 13, 2019	Sweeney; Schmalensee		802; 602	
DX-3711	Document titled "App Review Process"	Schiller; Kosmyinka; Fischer; Malackowski			
DX-3712	Epic Games Store, Review of Performance and Strategy, dated October 25, 2019	Kreiner			
DX-3713	7/22/2020 email regarding "Re: Coalition Partner Tracker"	Weissinger			
DX-3714	Apple, "FairPlay Streaming," available at https://developer.apple.com/streaming/fps/	Malackowski; Federighi; Haun		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3715	2/19/2010 email regarding "Fwd: Thank You to you and Apple"	Schiller; Fischer		802	
DX-3716	Apple, "Apple Unveils iOS 7," June 10, 2013, available at https://www.apple.com/newsroom/2013/06/10Apple-Unveils-iOS-7/	Malackowski; Federighi		802; 602	
DX-3717	ESA, "We are ESA," available at https://www.theesa.com/about-esa/	Hitt		802; 602	
DX-3718	Apple, "Core Media," available at https://developer.apple.com/documentation/coremedia	Malackowski; Federighi; Haun		802; 602	
DX-3719	Epic Games, "Epic Online Services Documentation – Starting Out with Epic Online Services," available at http://dev.epicgames.com/docs/services/en-US/	Sweeney; Malackowski		602	
DX-3720	Apple Platform Security Whitepaper – Spring 2020 available at https://manuals.info.apple.com/MANUALS/1000/MA1902/en_US/apple-platform-security-guide.pdf	Schiller; Federighi; Rubin		802; 602	
DX-3721	Agreement between Epic Games International S.a.r.l., and a Company	Weissinger			
DX-3722	Apple, "Haiku Article Preview – Resolve issues between iTunes and security software," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/005/201413.html	Schiller; Federighi		802; 602	
DX-3723	Slide deck titled "Project Liberty Comms Strategy (Draft)," dated July 22, 2020	Sweeney		602	
DX-3724	Epic Games, "Join the Battle and Play in the #FreeFortnite Cup on August 23," August 20, 2020, available at https://www.epicgames.com/fortnite/en-US/news/freefortnite-cup-on-august-23-2020	Hitt		602	
DX-3725	Apple, "Apple Store Review Guidelines," February 1, 2021, available at https://developer.apple.com/app-store/review/guidelines/	Schiller			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3726	2020.08.23 [4:20-cv-05640 – dkt. 41-10] - Byars decl. iso Motion for TRO Ex. J Epic Games International, S.a r.l Developer Agreement (10/21/2016)	Sweeney; Schiller			
DX-3727	1/10/2019 email regarding "Re: (Preemptive SH) Checkpoint Security Missed Vulnerability"	Sweeney			
DX-3728	Nick Statt, "Epic CEO Tim Sweeney says Apple fight is about 'basic freedoms of all consumers and developers,'" TheVerge, August 14, 2020, available at https://www.theverge.com/2020/8/14/21369622/epic-ceo-tim-sweeney-apple-fortnite-lawsuit-ban-basic-freedoms-developers	Sweeney		802; 602	
DX-3729	Evans, David and Michael Noel, "Analyzing Market Definition and Power in Multi-sided Platform Markets," October 21, 2005, available at https://papers.ssrn.com/sol3/papers.cfm?abstract_id=835504	Schmalensee; Evans		602	
DX-3730	Presentation titled "Epic UA Privacy Policy & Recommendations: 9.17.19"	Weissinger			
DX-3731	Nick Wingfield, "'The Mobile Industry's Never Seen Anything Like This': An Interview with Steve Jobs at the App Store's Launch," The Wall Street Journal, July 25, 2018, available at https://www.wsj.com/articles/the-mobile-industrys-never-seen-anything-like-this-an-interview-with-steve-jobs-at-the-app-stores-launch-1532527201	Hitt; Malackowski		802; 602	
DX-3732	2/23/2018 email regarding "Re: Android - wild idea"	Sweeney			
DX-3733	7/27/2018 email regarding "Re: The Information: Hear Steve Jobs, at the Dawn of App Store, Predict the Future of Mobile"	Fischer; Malackowski			
DX-3734	Presentation titled "4th Annual App Store Global Management Team Summit"	Schiller; Cook; Fischer; Kosmyinka; Schmalensee		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3735	Giant Bomb, "Epic Games," available at https://www.giantbomb.com/epic-games/3010-149	Lafontaine		802; 602	
DX-3736	Presentation titled "Project Liberty Update," dated July 22, 2020	Sweeney; Weissinger; Rein			
DX-3737	"Steve Jobs Introducing the iPhone at MacWorld 2007," YouTube, December 2, 2010, https://www.youtube.com/watch?v=x7qPAY9JqE4	Malackowski; Schiller		106; 802; 602	
DX-3738	4/23/2020 email regarding "Fwd: Fortnite on the App Store"	Schmid; Fischer		802	
DX-3739	Twitter tweet by Tim Sweeney "Our team of expert Shopping Cart Engineers is on it" February 6, 2020	Sweeney		802; 901	
DX-3740	Android, "About the Android Open Source Project" available at https://source.android.com	Rubin; Google custodian	X		
DX-3741	Matthew Humphries, "Over 20 Malicious Minecraft Android Apps Found on Google Play," PC Mag, Nov. 24, 2020, available at https://www.pcmag.com/news/over-20-malicious-minecraft-android-apps-found-on-googleplay#:~:text=As%20Graham%20Cluley%20reports%2C%20security,criminals%20to%20take%20advantage%20of	Kosmyinka		802; 602	
DX-3742	Epic Games, "What platforms or devices are compatible with Fortnite?" available at https://www.epicgames.com/help/en-US/fortnite-c75/technical-support-c118/what-platforms-or-devices-are-compatible-with-fortnite-a6693	Sweeney		602	
DX-3743	3/12/2020 email regarding "Please Print"	Sweeney; Malik		602	
DX-3744	Apple, "Swift. A powerful open language that lets everyone build amazing apps," available at https://www.apple.com/swift/	Malackowski; Haun; Federighi		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3745	John Gruber, "Epic CEO Tim Sweeney's Hand-Waving Explanation Explanation for How Game Consoles Deserve 30 Percent of Fortnite Revenue but Apple and Google's App Stores Do Not" Daring Fireball, August 17, 2020, available at https://daringfireball.net/2020/08/sweeney_hand_waving_game_consoles_app_stores	Sweeney		802; 1002; 602	
DX-3746	Slide deck titled "Steam Rev Share - Group Update"	Schmalensee		802; 602	
DX-3747	Presentation titled "Current App Review Process"	Schiller; Cook; Fischer; Kosmyinka;		802; 602	
DX-3748	Google Play, "Roblox – Apps on Google Play," available at https://play.google.com/store/apps/details?id=com.roblox.client&hl=en	Hitt; Google custodian		802; 602	
DX-3749	Apple WWDC 2012 Keynote Address, video and transcript (Apple intends to show portions of the video corresponding to the following portions of the transcript: 4:7-6:4; 52:21-53:9; 55:1-4; 61:14-63:6)	Cook; Schiller; Federighi		802	
DX-3750	[4:20-cv-05640 Dkt. 74-9] Schiller Decl. Exhibit I - Correspondence from Apple to Epic re App Store Review Guidelines dated August 14, 2020	Schiller; Sweeney; Malackowski		802; 602	
DX-3751	Formstack "Unreal Engine Royalty Form" available at https://epicgames.formstack.com/forms/royalty_report	Penwarden		602	
DX-3752	6/10/2020 email regarding "Invitation: Project Liberty Call @ Wed Jun 17, 2020 4pm - 5:30pm (EDT) (Ed Zobrist)"	Sweeney		602	
DX-3753	Epic Games Store Finance Update, dated April 2020	Allison			
DX-3754	Apple Developer, "Discovery on the App Store and Mac App Store," available at https://developer.apple.com/app-store/discoverability	Schiller; Fischer; Haun		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3755	Mircosoft, "Get ROBLOX – Microsoft Store," available at https://www.microsoft.com/en-us/p/roblox/bq1tn1t79v9k	Hitt; Wright		802; 602	
DX-3756	5/1/2019 email regarding "Re: Fraud update for week of April 14th"	Kreiner; Sweeney; Allison			
DX-3757	Document titled "WWDC 2008 Session Videos"	Schiller; Cook; Fischer; Kosmynka;		602	
DX-3758	10/31/2019 email regarding "Re: 11.10.1 iOS Build Submission"	Grimm; Schmid		802	
DX-3759	Slide deck titled "Project Liberty Update" August 3, 2020	Sweeney		602	
DX-3760	Presentation titled "Xbox LIVE Games Marketplace - Future Strategy" dated February 23, 2011	Wright		802; 602	
DX-3761	Loren Grush and Arielle Duhaime-Ross "Apple launches CareKit to let people develop their own health apps," The Verge, March 21, 2016, available at https://www.theverge.com/2016/3/21/11277466/apple-carekit-announced-health-care-software-platform	Schiller; Malackowski		802; 602	
DX-3762	Google Stadia, "In-game purchases," available at https://support.google.com/stadia/answer/9609579	Hitt; Google custodian		802; 602	
DX-3763	eBay "eBay Rules and Policies," available at https://www.ebay.com/help/policies/default/bays-rules-policies?id=4205	Schiller; Schmalensee		602	
DX-3764	Licensing Amendment #1 between Epic Games and a Company dated May 2020	Kreiner			
DX-3765	U.S. Patent No. 10,771,946	Malackowski; Schiller; Federighi; Kosmynka		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3766	Apple, "Haiku Article Preview – About the security content of iOS 7," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/011/202816.html?cq_ck=1612522422974	Schiller; Federighi		802; 602	
DX-3767	Apple, "First year of Apple Entrepreneur Camp Offers invaluable experiences to 100 innovators" October 23, 2019, available at https://www.apple.com/newsroom/2019/10/first-year-of-apple-entrepreneur-camp-offers-invaluable-experiences-to-100-innovators/	Schiller; Fischer; Pruden		402; 403; 802; 602	
DX-3768	The Future of Gaming - Tim Sweeney (Epic) DICE 2012 Session, video and transcript (Apple intends to show portions of the video corresponding to the following portions of the transcript: 3:15-4:16; 16:7-20; 19:12-20:9; 26:1-23)	Sweeney			
DX-3769	Apple, "Metal for OpenGL Developers," https://developer.apple.com/videos/play/wwdc2018/604/	Malackowski; Cook; Federighi; Schiller		106; 802; 602; 6(c)	
DX-3770	S&P Global Market Intelligence "Apple Inc. FQ4 2011 Earnings Call Transcript," October 18, 2011	Malackowski; Cook		802; 602	
DX-3771	Apple, "WebKit,," available at https://developer.apple.com/documentation/webkit	Malackowski; Haun; Federighi		802; 602	
DX-3772	2020.08.23 [4:20-cv-05640 Dkt. 41-13] - Byars decl. iso Motion for TRO Ex. M Life on Air, Inc. DPLA (6/25/2020)	Sweeney; Schiller			
DX-3773	Presentation titled "iPhone Buyer FY20-Q4 Apple and Other Product Ownership"	Schiller; Malackowski			
DX-3774	Presentation titled "Project Liberty, Update to the Board of Directors," dated July 27, 2020	Sweeney; Weissinger		602	
DX-3775	Apple, "Haiku Article Preview – Wallet & Privacy" available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/046/212045.html?cq_ck=1612543191353	Schiller; Federighi		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3776	9/11/2018 email regarding Purchase Errors	Nikdel		802	
DX-3777	2/8/2019 email regarding "Re: FOR REVIEW: Fortnite Authentication App Designs"	Shobin			
DX-3778	U.S. Patent No. 9,380,123	Malackowski; Schiller; Federighi; Kosmyinka		602	
DX-3779	Slide deck " Google - Safety, Security, and User Trust: 2019 Annual Planning," dated August 9, 2018	Google custodian; Rubin		802; 602	
DX-3780	9/27/2019 email regarding "Your app, Fortnite, may be featured on the App Store."	Babcock; Malackowski		602	
DX-3781	Presentation titled "Apple - iPhone Developer Program Satisfaction Survey, Wave 2: July 2010" dated August, 2010	Schmalensee; Schiller; Cook; Fischer; Kosmyinka;		802; 602	
DX-3782	8/3/2019 email regarding "k3zgEgAAAAE-2019.08.03"	Malik			
DX-3783	7/13/2010 email regarding "Re: App Store Removal Request 368153049 iEnthusiast"	Shoemaker		802	
DX-3784	4/27/2020 email regarding "Updated invitation: Mobile Payment Strategies @ Thu Apr 30, 2020 1pm - 2pm (EDT) (Haseeb Malik)"	Sweeney; Malik			
DX-3785	7/29/2020 email regarding "Next steps from the weekly Project Liberty mtg"	Sweeney; Grant; Ko; Weissinger			
DX-3786	3/22/2018 email regarding "Re: Epic Games - February 2018 Business Flash(Internet mail)"	Sweeney			
DX-3787	Document titled "Phase 2: D-Day and Beyond"	Sweeney; Weissinger; Rein			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3788	R. Nelson “ ‘Project Sword’ coming to iOS from Epic [update: try the demo!] Engadget.com September 1, 2010, https://www.engadget.com/2010-09-01-project-sword-coming-to-ios-from-epic.html	Schiller		802; 602	
DX-3789	Presentation titled "Apple Arcade, Worldwide Pricing"	Schiller; Cook; Fischer; Gray		802; 602	
DX-3790	5/17/2018 email regarding "Re: Next FN Engine Merge - 5/14/18 Minutes"	Penwarden			
DX-3791	Presentation title “Session 203 - Introducing App Sandbox – Magical and Revolutionary Develop Security”	Schiller; Cook; Fischer; Kosmyinka;		802; 602	
DX-3792	Apple, “Change your subscription from Apple,” available at https://support.apple.com/en-us/HT204939	Schiller; Fischer		802; 602	
DX-3793	Apple, “AVFoundation,” available at https://developer.apple.com/documentation/avfoundation	Malackowski; Schiller; Federighi; Haun		802; 602	
DX-3794	Apple, “iPadOS,” available at https://www.apple.com/ipados/ipados-14/	Schiller		802; 602	
DX-3795	Presentation titled "Epic - Leadership Finance Presentation," February 2020	Vogel; Sweeney; Schmalensee		602	
DX-3796	5/31/2017 email regarding "Re: ERB: Minecraft shared currency"	Schmalensee; Kosmyinka		802; 602	
DX-3797	Mitchel Broussard, “After Onstage Demo at WWDC 2015, Epic Games’ ‘Fortnite’ Will Officially Launch on Mac This July,” Mac Rumors, June 8, 2017, available at https://www.macrumors.com/2017/06/08/fortnite-launch-mac-july/	Malackowski	X		
DX-3798	Slide deck titled "Google Play: Alphabet Board Meeting," May 2019	Google custodian; Rubin		802; 602	
DX-3799	5/6/2019 email regarding "Fwd: Please find workarounds for 3rd party screen time solution apps such as OurPact"	Cook; Schiller; Malackowski			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3800	Presentation titled "App Store Developers Profiling Research," dated March 2015	Schmalensee; Schiller; Cook; Fischer; Kosmynka;		802; 602	
DX-3801	Tizen, "Tizen Store Overview" available at https://developer.tizen.org/distribution/tizen-store-overview	Rubin		802; 602	
DX-3802	Apple, "Apple Rings in New Era of Services Following Landmark Year," January 8, 2020, available at https://www.apple.com/newsroom/2020/01/apple-rings-in-new-era-of-services-following-landmark-year/	Schiller; Lafontaine		802; 602	
DX-3803	Apple, "Apple Reinvents the Phone with iPhone" January 9, 2007, available at https://www.apple.com/newsroom/2007/01/09Apple-Reinvents-the-Phone-with-iPhone/	Schiller; Cook; Fischer		802; 602	
DX-3804	Epic Games Inc. Apple Discovery 12/2/2020 Non-GAAP (unaudited)Epic Games Non-GAAP Consolidated Financials	Kreiner		602	
DX-3805	Epic structured data	Sweeney; Grant; Kreiner; Weissinger; Hitt			
DX-3806	BestBuy, "Video Games," available at https://www.bestbuy.com/site/electronics/video-games/abcat0700000.c	Hitt		802; 602	
DX-3807	Epic Games, Inc.'s Responses and Objections to Apple, Inc.'s First Set of Interrogatories dated December 11, 2020	Weissinger; Allison; Grant; Vogel; Penwarden			
DX-3808	U.S. Patent No. 10,402,931	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-3809	6/23/2018 email regarding "Keeping Android in a secure state"	Sweeney; Vogel		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3810	3/4/2016 email regarding "Fwd: The Android test"	Cook; Gray; Malackowski			
DX-3811	U.S. Patent No. 10,394,838	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-3812	Samsung, "Terms and Conditions," available at https://seller.samsungapps.com/help/termsAndConditions.as	Schmalensee		602	
DX-3813	Apple, "Application Services," available at https://developer.apple.com/documentation/applicationservices	Malackowski; Schiller; Fischer		802; 602	
DX-3814	Entertainment Software Association, "U.S. Video Game Sales Reach Record-Breaking \$43.4 Billion in 2018," ESA, January 22, 2019, available at https://www.theesa.com/press-releases/u-s-video-game-sales-reach-record-breaking-43-4-billion-in-2018/	Hitt		802; 602	
DX-3815	3/4/2020 email regarding "Fortnite on Google devices"	Patel; Sweeney		802; 602	
DX-3816	Epic Games, "Please Read the Epic Games Store Refund Policy," available at https://www.epicgames.com/site/en-US/store-refund-policy	Babcock		602	
DX-3817	11/12/2020 email regarding "macOS Big Sur reviews"	Pruden; Federighi; Schiller; Cook		802; 1002	
DX-3818	9/14/2019 email regarding "Fwd: Epic Games Store Investment - COMPANY"	Allison			
DX-3819	12/4/2019 email regarding "Re: [Feedback Requested] EGS IAP Policy Change"	Sweeney; Allison; Kreiner			
DX-3820	Presentation titled "App Store Business Management Overview," July 2020	Schmalensee; Schiller; Cook; Fischer; Kosmynka;		802; 602	
DX-3821	5/22/2020 email regarding Fortnite on Google Play	Sweeney; Ko			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3822	Defendant and Counterclaim Plaintiff Apple Inc.'s Notice of Deposition of Plaintiff and Counter-Defendant Epic Games, Inc.	Weissinger			
DX-3823	U.S. Patent Application No. 2020/0236152	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-3824	Apple, "App Store Review Guidelines," available at https://developer.apple.com/appstore/resources/approval/guidelines	Schiller; Cook; Fischer; Kosmynka; Schmalensee		602	
DX-3825	6/29/2018 email regarding "Re: iOS starter pack"	Hutcheson; Vogel			
DX-3826	Apple, "Haiku Article Preview – Update the birth date associated with your Apple ID," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/016/204164.html?cq_ck=1612610364194	Schiller; Federighi		802; 602	
DX-3827	Apple, "Apple Announces iOS 8 Available September 17," September 9, 2014, available at https://www.apple.com/newsroom/2014/09/09Apple-Announces-iOS-8-Available-September-17/	Malackowski; Cook		802; 602	
DX-3828	Andy Greenberg, "How Spies Snuck Malware Into the Google Play Store—Again and Again," Wired, April 28, 2020, available at https://www.wired.com/story/phantomlance-googleplay-malwareapt32/	Kosmynka		802; 602	
DX-3829	Document titled "Phase 1: Price Changes and Submission"	Sweeney; Weissinger			
DX-3830	Apple, "Apple Developer Software Downloads," available at https://developer.apple.com/download/release/	Schiller; Malackowski		802; 602	
DX-3831	5/1/2018 email regarding "Re: [Fortnite] Starter Pack #2?"	Hutcheson			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3832	Erica Yee, "The real reason Epic landed a \$15 billion valuation is not Fortnite's viral video game success" CNBC, December 21, 2018, available at https://www.cnbc.com/2018/12/14/the-reason-epic-landed-a-15-billion-valuation-is-not-fortnite-success.html	Sweeney; Weissinger; Rein		802; 602	
DX-3833	Marwin Baumann and Leandro Velasco, "Automated embedding of dynamic libraries into iOS applications from GNU/Linux." University of Amsterdam, July 21, 2017	Rubin		602	
DX-3834	Epic Games, "Season 5 – Zero Point Battle Pass," available at https://www.epicgames.com/fortnite/en-US/battle-pass/zero-point	Hitt; Sweeney		602	
DX-3835	11/21/2018 email regarding "Epic Games – October 2018 Business Report"	Sweeney; Babcock			
DX-3836	U.S. Patent No. 10,445,396	Malackowski; Schiller; Federighi; Kosmyinka		602	
DX-3837	1/16/2018 email regarding "Re: Phil chats"	Kreiner; Sweeney			
DX-3838	7/31/2020 email regarding "Re: Samsung priorities"	Ko			
DX-3839	Kate O'Flaherty, "Android Users Beware: Delete These 240 Malicious Apps Now," Forbes.com October 8, 2020, available at https://www.forbes.com/sites/kateoflahertyuk/2020/10/08/android-users-beware-delete-these-240-malicious-apps-now/?sh=7572b8aa4a41	Rubin	X		
DX-3840	5/14/2018 email regarding "Re: iOS sideload"	Vogel			
DX-3841	Apple "Important discoveries are at your fingertips," Research and Care, available at https://www.researchandcare.org/researchkit/	Malackowski		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3842	Nintendo, "Fortnite," available at https://www.nintendo.com/games/detail/fortnite-switch	Hitt		602	
DX-3843	Apple Developer Program License Agreement	Schiller; Cook; Fischer; Kosmynka;		602	
DX-3844	Apple, "Marketing Resources and Identity Guidelines," available at https://developer.apple.com/app-store/marketing/guidelines/	Malackowski; Fischer; Schiller		802; 602	
DX-3845	Gordon Kelly "Apple iOS 14.4 Release: Should You Upgrade?," Forbes , January 28, 2021, available at https://www.forbes.com/sites/gordonkelly/2021/01/28/apple-ios-144-release-should-you-upgrade/?sh=51356bdf2f5b	Malackowski; Rubin	X		
DX-3846	Checkpoint, "Of Kittens and Princes: the latest updates on two Iranian espionage operations" available at https://blog.checkpoint.com/2021/02/08/of-kittens-and-princes-the-latest-updates-on-two-iranian-espionage-operations/	Rubin	X		
DX-3847	Apple, "Looks brand new. Feels like hom. - iOS14," available at https://www.apple.com/ios/ios-14/	Schiller		802; 602	
DX-3848	ASCIWWDC, "Sensing Device Motion in iOS 4 – Session 423 WWDC 2010" available at https://asciwwdc.com/2010/sessions/423	Hitt; Malackowski		802; 602	
DX-3849	American Dialect Society, "'App' voted 2010 word of the year by the American Dialect Society (UPDATED)," American Dialect Society, January 8, 2011, available at https://www.american-dialect.org/app-voted-2010-word-of-the-year-by-the-american-dialect-society-updated	Hitt		802; 602	
DX-3850	10/20/2016 email regarding "Re: Nintendo Switch trailer"	Fischer			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3851	U.S. Patent No. 10,180,825	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-3852	U.S. Patent No. 8,734,255	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-3853	Apple Inc. Form 10-K for the fiscal year ending September 24, 2005	Malackowski; Schmalensee; Hitt; Lafontaine; Rubinfeld; Cook; Schiller; Fischer		602	
DX-3854	3/16/2015 email regarding "Re: Google Play's app review system change"	Pruden; Fischer; Schiller; Rubin		802; 602	
DX-3855	Document titled "Ecosystem – Redline"	Sweeney; Malackowski		602	
DX-3856	Expo, "iOS Simulator," available at https://docs.expo.io/workflow/ios-simulator/	Malackowski		802; 602	
DX-3857	Slack Thread ID: 3006521904 between Lane Kasselmann and Matt Weissinger, dated August 6, 2020	Weissinger			
DX-3858	Apple, "HealthKit," available at https://developer.apple.com/documentation/healthkit	Malackowski; Federighi; Haun		802; 602	
DX-3859	Presentation titled "Introducing the New App Store – Session 301" dated 2017	Schiller; Cook; Fischer; Kosmynka;		802; 602	
DX-3860	Samsung, "Apps on your Samsung smart TV," available at https://www.samsung.com/us/support/answer/ANS00062169/	Hitt		602	
DX-3861	Presentation titled "Smartphone Owners – Apple Market Research and Analysis CY15-Q1," Mar. 2015	Schiller; Malackowski		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3862	1/20/2018 email regarding "Re: display name banning process is broken"	Sweeney			
DX-3863	Google Stadia, "Games," Google, available at https://stadia.google.com/games	Hitt; Google custodian		602	
DX-3864	Andrew Cunningham, "Google Play apps and updates are now subject to a review process – Company has also started handing out kid- and parent-friendly age ratings for apps" Arstechnica, March 17, 2015, available at https://arstechnica.com/gadgets/2015/03/google-play-apps-and-updates-are-now-subject-to-a-review-process/	Rubin		802; 602	
DX-3865	7/9/2018 email regarding "revenue preservation"	Sweeney			
DX-3866	7/1/2012 email regarding "Re: Google I/O :: Google Play - Apps"	Fischer		802	
DX-3867	9/14/2018 email regarding "Fwd: PC ecom business shrinking"	Weissinger; Vogel; Sweeney; Hitt		602	
DX-3868	Slide deck titled "Steam Rev Share - Group Update"	Hitt		802; 602	
DX-3869	Apple, "Apple's App Store Downloads Top 25 Billion," March 5, 2012, available at https://www.apple.com/newsroom/2012/03/05Apples-App-Store-Downloads-Top-25-Billion/	Malackowski; Schiller; Fischer		802; 602	
DX-3870	5/11/2019 email regarding Halt sales on EGS	Sweeney; Allison; Kreiner			
DX-3871	Apple, "Haiku Article Preview – Identifying legitimate emails from iTunes Store," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/006/201679.html?cq_ck=1612596024329	Schiller; Federighi		802; 602	
DX-3872	Kiloo Games, "Can I Remove Ads?," available at https://faq-subway.kiloogames.com/article/152-can-i-remove-ads	Hitt		802; 901; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3873	Presentation titled "Mobile Payment Sync"	Sweeney			
DX-3874	Apple, "Apple Announces Over 100,000 Apps Now Available on the App Store," November 4, 2009, available at https://www.apple.com/newsroom/2009/11/04Apple-Announces-Over-100-000-Apps-Now-Available-on-the-App-Store/	Schiller; Malackowski		802; 602	
DX-3875	Apple Developer, "Promoting your apps," available at https://developer.apple.com/app-store/promote/	Schiller; Fischer; Haun		802; 602	
DX-3876	Epic structured data	Sweeney; Grant; Kreiner; Weissinger; Hitt			
DX-3877	Slide deck titled "iPhone Developer Program Satisfaction Survey," March, 2010	Malackowski; Schiller; Cook; Fischer			
DX-3878	Match, "FAQ," available at https://www.match.com/dnws/help/faq	Hitt		602	
DX-3879	Spreadsheet titled "the amount charged for APP downloads and IN-APP products, by APP marketplace"	Hitt		602	
DX-3880	Presentation title "Staging – Liberty Partner Comms – Phase 1"	Sweeney		602	
DX-3881	2020.08.23 [4:20-cv-05640 Dkt, 41-16] - Byars decl. iso Motion for TRO Ex. P KA-RA SARL Developer Agreement (10/21/2016)	Sweeney; Schiller			
DX-3882	Apple Developer, "Swift," available at https://developer.apple.com/swift/	Schiller; Fischer; Haun		802; 602	
DX-3883	Vox Media, "The Evolution of Epic Games," available at https://apps.voxmedia.com/at/polygon-a-history-of-epic-games/	Hitt; Sweeney		802; 602	
DX-3884	Document titled "Project Liberty Public-Facing Media Q&A (DRAFT)"	Sweeney; Weissinger; Rein			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3885	Unreal Engine, "Frequently Asked Questions (FAQ)" available at https://www.unrealengine.com/en-US/faq	Sweeney			
DX-3886	Evans, David and Michael Noel, "Defining Antitrust Markets when Firms Operate Two-Sided Platforms," Columbia Business Law Review, 2005	Schmalensee; Evans		602	
DX-3887	Evans, David S., "Attention Platforms, the Value of Content, and Public Policy," Review of Industrial Organization, 54, 2019, pp. 775-792	Schmalensee; Evans		602	
DX-3888	Apple, "Remove built-in Apple apps from the Home screen on your iOS 10 device for Apple Watch," available at https://support.apple.com/en-us/HT204221	Rubin; Schiller		802; 602	
DX-3889	8/3/2011 email regarding "Android Market 2.2 :: Competitive Analysis"	Schiller		802	
DX-3890	2/6/2011 email regarding "Re: Magazine subscription write up"	Schiller			
DX-3891	Agreement titled "Merchant Agreement (Apple iTunes Store)," between Apple, Inc. and PayPal, Inc., dated July 7, 2017	Schiller; Fischer; Gray; Schmalensee		602	
DX-3892	Presentation titled "What's New in Metal, Part 1 – Session 603 – WWDC15"	Schiller; Cook; Fischer; Federighi		802; 602	
DX-3893	Presentation titled "Better Apps Through Better Privacy – Session 718 – WWDC18"	Schiller; Cook; Fischer; Kosmyinka; Federighi; Friedman		802; 602	
DX-3894	6/19/2020 email regarding "Re: iOS trends"	Sweeney; Weissinger			
DX-3895	12/20/2018 email regarding "Re: ?? Confirming the specifics of the Fortnite featuring plan"	Schmid; Fischer		802	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3896	Slide deck titled "Kantar ComTech Smartphone KPIs: CQ1'10 USA and Urban China," dated May 2020	Schiller; Cook; Fischer; Kosmynka; Hitt			
DX-3897	Reuters, "APPL.O – Apple Inc. Profile," available at https://www.reuters.com/companies/AAPL.O	Hitt; Schiller; Cook		802; 602	
DX-3898	3/12/2018 email regarding "Re: Android feedback for Google?"	Penwarden; Grant			
DX-3899	Evans, David S. and Richard Schmalensee, Matchmakers: The New Economics of Multisided Platforms, Harvard Business Review Press – Chapter 5 Ignite or Fizzle – Multisided Platforms Must Secure Critical Mass, or Else, May 3, 2016	Schmalensee; Evans		602	
DX-3900	Agreement titled "Apple Developer Program License Agreement," dated June 22, 2020	Schiller; Cook; Fischer; Kosmynka; Rubinfeld; Lafontaine		602	
DX-3901	Workbook with two spreadsheets: Tab 1 "Epic Games, Inc. BR Fortnite Q1 2018"; Tab 2 "Epic Games, Inc. BR + StWFortnite Q1 2018""	Babcock; Hitt		602	
DX-3902	Apple, "Availability of Apple Media Services," available at https://support.apple.com/en-us/HT204411	Schiller; Lafontaine		802; 602	
DX-3903	2/6/2020 email regarding "Fwd: Analytics Insights Weekly - 2/4/20"	Malik		802	
DX-3904	Apple, "App Store Preview: Rockstar Games," available at https://apps.apple.com/us/developer/rockstar-games/id330049731	Schiller; Fischer		802; 602	
DX-3905	PayPal developer documentation (as provided	Schmalensee		802; 602	
DX-3906	2020.08.23 [4:20-cv-05640 Dkt. 74.7] Schiller Decl. Exhibit G - Email from Tim Sweeney to Tim Cook et al. re "Fortnite Payments" dated August 13, 2020	Schiller; Sweeney; Cook; Malackowski		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3907	Apple Developer, "Apple Video Partner Program," available at https://developer.apple.com/programs/video-partner/	Schiller		802; 602; Illegible	
DX-3908	7/24/2015 email regarding "Fwd: Intro"	Malackowski; Kosmynka			
DX-3909	1/11/2020 email regarding "Re: [EXTERNAL] On subscription paywalls"	Sweeney		802	
DX-3910	2/13/2019 email regarding "Re: FOR REVIEW: Fortnite Authentication App Designs"	Hutcheson			
DX-3911	Spreadsheet titled "Apple Inc. Line of Business Reports" for various products	Malackowski; Rollins			
DX-3912	11/6/2019 email regarding "Match + Epic Call Room Hold"	Ong		602	
DX-3913	Slide deck titled "Google Play: Play Business Leads Q1 Onsite: Day One," dated January 2019	Google custodian; Rubin		802; 602	
DX-3914	1/9/2019 email regarding "Re: Fortnite in iOS"	Sweeney; Rein			
DX-3915	7/31/2020 email regarding "Fortnite 1984 Copy (DRAFT)"	Weissinger			
DX-3916	2/20/2019 email regarding "Re: [kairos-dev] Kairos / FN / Engine merge actions&meet notes"	Penwarden; Grant			
DX-3917	U.S. Patent No. 10,417,114	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-3918	Spreadsheet with sheets titled in part "Package Names" and "Premium Subscription Package"	Wright		602; Document does not match Description	
DX-3919	Presentation titled "Brand Research Survey," dated December 2011	Schiller; Malackowski		802; 602	
DX-3920	6/29/2012 email regarding "Fwd: Google I/O :: Google Play - Apps"	Fischer		802	
DX-3921	Unreal Engine, "Infinity Blade," December 9, 2010, available at https://www.unrealengine.com/en-US/blog/infinity-blade	Hitt; Sweeney		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3922	Slide deck titled "App Store Developer Study: US, China, Japan," dated May 2017	Schiller; Fischer; Pruden; Hitt			
DX-3923	Brian X. Chen, "Apple Registers Trademark for 'There's an App for That'," Wired, October 11, 2010, available at https://www.wired.com/2010/10/app-for-that/	Malackowski; Federighi		802; 602	
DX-3924	7/16/2020 email regarding "Invitation: Project Liberty Update @ Wed Jul 22, 2020 11am - 12pm (PDT) (mmaloney@cravath.com)"	Sweeney; Grant; Weissinger			
DX-3925	Daniel Nations, "What is the iPhone OS (iOS)? iOS is the operating system for Apple's mobile devices" Lifewire, November 9, 2019, available at https://www.lifewire.com/what-is-ios-1994355	Malackowski; Schmalensee		802; 602	
DX-3926	Document titled "High level feedback"	Sweeney; Weissinger; Rein			
DX-3927	8/27/2018 email regarding "Re: Fortnite's Bad Bug, Epic's Complaint, The Downside of Open"	Sweeney		802	
DX-3928	Chris Welch, "Here's why so many apps are asking to use Bluetooth on iOS 13," The Verge, September 19, 2019, available at https://www.theverge.com/2019/9/19/20867286/ios-13-bluetooth-permission-privacy-feature-apps	Rubin	X		
DX-3929	Presentation titled "App Review FY17, Headcount planning"	Schiller; Fischer; Kosmynka;		802; 602	
DX-3930	5/12/2019 email regarding "Re: Update on Ubi/EGs"	Sweeney; Allison; Kreiner			
DX-3931	Agreement titled "Valve Corporation, Steam Distribution Agreement, Amendment No. 1" between Valve Corporation and Epic Games Inc., effective December 15, 2008	Sweeney; Hitt		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3932	"Form 10-K For the fiscal year ended September 28, 2019," Apple Inc., October 30, 2019, available at https://www.sec.gov/Archives/edgar/data/320193/000032019319000119/a10-k20199282019.htm	Malackowski; Schmalensee; Hitt; Lafontaine; Rubinfeld; Cook; Schiller; Fischer		602	
DX-3933	Presentation titled "Communications Overview" by Epic Games	Sweeney; Weissinger		602	
DX-3934	PlayStation, "Official PlayStation Store US," available at https://store.playstation.com/en-us/latest	Hitt		602	
DX-3935	2020.08.23 [4:20-cv-05640 Dkt. 41-17] - Byars decl. iso Motion for TRO Ex. Q KA-RA SARL DPLA (6/30/2020)	Sweeney; Schiller		602	
DX-3936	3/18/2018 email regarding "Fwd: Fortnite on iOS Marketing Opportunity"	Hutcheson			
DX-3937	8/5/2020 email regarding "Project Liberty Standup"	Sweeney; Grant; Ko; Weissinger			
DX-3938	Apple, "HomeCourt: Basketball Training," available at https://apps.apple.com/us/app/homecourt-basketball-training/id1258520424#?platform=iphone	Malackowski		802; 602	
DX-3939	4/30/2020 email regarding "Accepted: Mobile Payment Strategies @ Thu Apr 30, 2020 12:30pm - 2pm (EDT) (Ed Zobrist)"	Kreiner			
DX-3940	Apple, "Apple Launches iPad," January 27, 2010, available at https://www.apple.com/newsroom/2010/01/27Apple-Launches-iPad/	Malackowski; Cook		802; 602	
DX-3941	Stuart Dredge, "Steve Jobs resisted third-party apps on iPhone, biography reveals," The Guardian, October 24, 2011, available at https://www.theguardian.com/technology/appsblog/2011/oct/24/steve-jobs-apps-iphone	Hitt		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3942	Slide deck titled "Google - US Smartphone NPS Analysis: Latest Data Q1 2019," dated June 2019	Google custodian; Hitt		802; 602	
DX-3943	U.S. Patent Application No. 2019/0370030	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-3944	2/4/2011 email regarding "Fwd: Marco.org - Ode to the App Review team"	Apple custodian		802	
DX-3945	7/23/2020 email regarding "Nineteen Eighty Fortnite"	Weissinger		602	
DX-3946	Scott Forstall academic profile, available at https://academic2.ru/Scott%20Forstall_6908858	Malackowski		802; 602	
DX-3947	Document titled – “COMPANY agreement redline”	Sweeney		602	
DX-3948	6/13/2020 email regarding "RE: [EXTERNAL] Supporting XCloud, opening stores and platforms"	Sweeney		802	
DX-3949	Gimi, “The In-Game Currency Guide,” November 20, 2018, available at https://www.gimitheapp.com/en/news/the-in-game-currency-guide	Hitt		802; 602	
DX-3950	U.S. Patent No. 9,678,571	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-3951	9/12/2018 email regarding "Fwd: Cross wallet"	Kreiner			
DX-3952	7/1/2010 email regarding "Fwd: More Eucalyptus rejection woes"	Malackowski			
DX-3953	Alexia Tstosis “App Store Hits 7 Billion Downloads,” TechCrunch, October 20, 2010, available at https://techcrunch.com/2010/10/20/app-store-hits-7-billion-downloads/	Schiller; Malackowski	X		
DX-3954	Agreement titled “iOS Developer Program License Agreement	Schiller; Cook; Fischer; Kosmynka;		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3955	Presentation titled "Epic Games Store Presentation to the Board of Directors" August 13, 2019	Allison			
DX-3956	12/21/2010 email regarding "Re: Knorr Flashlight app"	Schiller		802	
DX-3957	Presentation titled "Fortnite: About Fortnite"	Sweeney		602	
DX-3958	iMessage chat between Mike Schmid and Haseeb Malik, dated August 13, 2020	Malik; Schmid		802	
DX-3959	S. O'Dea, "Number of smartphones sold to end users worldwide from 2007 to 2021," Statista, September 2, 2020, available at https://www.statista.com/statistics/263437/global-smartphone-sales-to-end-users-since-2007/#:~:text=This%20statistic%20shows%20the%20number,with%20the%20Android%20operating%20system	Malackowski		802; 602	
DX-3960	Apple Inc. Form 10-K for the fiscal year ending September 27, 2008	Malackowski; Schmalensee; Hitt; Lafontaine; Rubinfeld; Cook; Schiller; Fischer		602	
DX-3961	U.S. Patent No. 10,271,293	Malackowski; Schiller; Federighi; Kosmyuka		602	
DX-3962	7/15/2015 email regarding "Re: Final Deck"	Gray		802	
DX-3963	The State of Unreal Engine - GDC 2015 Event Coverage - Unreal Engine - YouTube	Sweeney		106; 802	
DX-3964	App Annie, "Top Apps on Google Play, United States, Games, February 15, 2021," available at https://www.appannie.com/en/apps/google-play/top/united-states/game	Hitt		802; 602; Illegible	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3965	Jared Petty, "The History of Fortnite ... So Far," IGN, November 27, 2018, available at https://www.ign.com/articles/2018/11/06/the-history-of-fortnite-so-far	Malackowski	x		
DX-3966	Google, "Service fees," available at https://support.google.com/googleplay/android-developer/answer/112622?hl=en	Hitt; Google custodian		802; 602	
DX-3967	Agreement titled "Mac Developer Program License Agreement"	Schiller; Cook; Fischer; Kosmynka;			
DX-3968	Android, "Define a Custom App Permission" available at https://developer.android.com/guide/topics/permissions/defining	Rubin; Google custodian	X		
DX-3969	App Annie, "The State of Mobile 2021," available at https://www.appannie.com/en/go/state-of-mobile-2021	Hitt		802; 602	
DX-3970	11/2/2019 email regarding "Re: Epic Games Store Strategy & 5 Yr Plan(Internet mail)"	Sweeney; Allison			
DX-3971	Lauren Goode, "Apple's App Store just had the most successful month of sales ever," The Verge, January 5, 2017, available at https://www.theverge.com/2017/1/5/14173328/apple-december-2016-app-store-record-phil-schiller	Malackowski; Schiller		802; 602	
DX-3972	7/26/2010 email regarding "Fwd: Winner feedback on the ADA"	Schiller		802	
DX-3973	3/26/2018 email regarding "Fwd: Fornite Mobile"	Sweeney; Rein			
DX-3974	Spreadsheet titled "Epic Games - 5 Year Forecast: Upside Case"	Schmalensee; Sweeney		602	
DX-3975	Rene Ritchie, "iPhone OS 2.2 review," iMore, November 21, 2008, available at https://www.imore.com/iphone-os-2-2-review	Malackowski		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3976	Paper titled "Games Publishing:" with bulleted lists consisting of: "Q1 Highlights, Q2 Outlook, and Challenges"	Grant			
DX-3977	Slide deck titled "iOS Apps Reviewed Summary"	Malackowski; Schiller; Cook; Fischer; Kosmynka;			
DX-3978	9/25/2018 email regarding "Re: Most local payments via Xsolla do not work on Android's embedded web"	Sweeney; Vogel			
DX-3979	8/13/2020 email regarding "Re: Epic and Fortnite Update"	Weissinger			
DX-3980	Agreement titled "Apple Developer Program License Agreement"	Schiller; Cook; Fischer; Kosmynka;		602	
DX-3981	Tim Fisher, "Is Google Play Safe?," Lifewire, March 6, 2020, available at https://www.lifewire.com/isgoogle-playsafe-153675	Kosmynka		802; 602	
DX-3982	Slack Thread ID: 3018437525 among Nate Adams, Emu Servais and David Nikdel, dated July 23, 2020	Sweeney			
DX-3983	Apple, "Haiku Article Preview – Sign in with Apple & Privacy," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/040/210699.html?cq_ck=1612590969942	Schiller; Federighi		802; 602	
DX-3984	5/26/2018 email regarding "Re: Please reconsider Re: Apple Rejects Valve's Steam Link App Due to 'Business Conflicts' - Mac Rumors"	Schiller		802	
DX-3985	Tuan C. Nguyen, "The Brief History of Smartphones" ThoughtCo, January 20, 2021, available at https://www.thoughtco.com/history-of-smartphones-4096585	Malackowski	X		
DX-3986	Apple, "Guidelines for Using Apple Trademarks and Copyrights," available at https://www.apple.com/legal/intellectual-property/guidelinesfor3rdparties.html	Malackowski; Federighi; Haun		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3987	Stuart Dredge, "Super Monkey Ball goes live on iPhone App Store," PocketGamer.com, July 10, 2008, available at https://www.pocketgamer.com/articles/007630/super-monkey-ball-goes-live-on-iphone-app-store/	Malackowski	X		
DX-3988	Agreement between Epic Games Inc. and a Company, dated September 18, 2018	Schmalensee; Sweeney		602	
DX-3989	U.S. Patent No. 9,778,921	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-3990	Apple, "Haiku Article Preview – About the security content of iOS 5 Software Update," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/009/202349.html?cq_ck=1612519735160	Schiller; Federighi		802; 602	
DX-3991	12/1/2018 email regarding "Fwd: iTunes has been shut down for Netflix"	Schiller; Fischer		802	
DX-3992	Apple, "Swift Has Reached 1.0," September 9, 2014, available at https://developer.apple.com/swift/blog/?id=14	Malackowski; Haun; Federighi		802; 602	
DX-3993	Presentation titled "Epic Games Store, Presentation to the Board of Directors," dated January 16, 2020	Allison			
DX-3994	Email chain from Benjamin Simon to Sarah Maxwell, re "Coalition for App Fairness & Washington Post Story"	DownDog custodian	X	802	
DX-3995	9/4/2019 email regarding "COMPANY - Attorney Client Privilege"	Sweeney; Vogel		602	
DX-3996	Jessica Bursztynsky, "Epic Games rallies Fortnite players against Apple with new tournament" CNBC, August 21, 2020, available at https://www.cnbc.com/2020/08/21/epic-games-rallies-fortnite-players-against-apple-with-new-tournament.html	Sweeney; Weissinger; Ko		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-3997	King Games, "Can I move my game progress onto a new device?" available at https://community.king.com/en/blog/kb/articles/393-can-i-move-my-game-progress-onto-a-new-device	Hitt		802; 602	
DX-3998	Presentation titled "Game Design and Development for iPhone OS – Part One"	Schiller; Fischer; Kosmyinka; Grimm; Schmid; Federighi		802; 602	
DX-3999	Apple Inc. Form 10-K for the fiscal year ending September 24, 2011	Malackowski; Schmalensee; Hitt; Lafontaine; Rubinfeld; Cook; Schiller; Fischer		602	
DX-4000	Statt, Nick, "Google Matches Apple by Reducing Play Store Fee for Android App Subscriptions," The Verge, October 19, 2017, available at https://www.theverge.com/2017/10/19/16502152/google-play-store-android-apple-app-store-subscription-revenue-cut	Schmalensee		802; 602	
DX-4001	Slide deck titled "Google - US Smartphone NPS Analysis: Latest Data Q3 2019 P&E Marketing Analytics," dated October 2019	Google custodian; Hitt		802; 602	
DX-4002	Dean Takahashi, –"Tim Sweeney: Epic's CEO on Fortnite on Android, skipping Google Play, and the open Metaverse," VentureBeat, 2018.08.03 available at https://venturebeat.com/2018/08/03/tim-sweeney-epics-ceo-on-fortnite-on-android-skipping-google-play-and-the-open-metaverse/	Sweeney		802; 602; Illegible	
DX-4003	"A Statement on FRAND Licensing of SEPs," available at Apple, https://www.apple.com/legal/intellectual-property/frand	Malackowski		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4004	Facebook, Inc., Form 10-K for the fiscal year ended December 31, 2020, filed on January 28, 2021	Sharma; Hitt		106; 602	
DX-4005	9/8/2018 email regarding Cooperation	Sweeney		802	
DX-4006	Presentation titled "Epic Games Store, Review of Performance and Strategy," dated October 25, 2019	Babcock			
DX-4007	Evans, David, "Governing Bad Behavior by Users of Multi-Sided Platforms," Berkeley Technology Law Journal, 27(2), 2012, pp. 1201-1250	Schmalensee; Evans		602	
DX-4008	PCMag, "Encyclopedia: Video Game Console," available at https://www.pcmag.com/encyclopedia/term/video-game-console	Hitt		802; 602	
DX-4009	Document titled "Sensor & Usage Data & Privacy"	Schiller; Federighi		802; 602	
DX-4010	7/26/2019 email regarding "Re: Fortnite Card Economics"	Kreiner		802	
DX-4011	5/12/2020 email regarding "Re: New iPad Pro with LiDAR scanner and ARKit 3.5"	Penwarden			
DX-4012	"Disk Arbitration," Apple, available at https://developer.apple.com/documentation/diskarbitration	Malackowski; Federighi; Haun		802; 602	
DX-4013	U.S. Patent No. 10,395,128	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-4014	"Exploring Intellectual Property at Apple: A study of Strategy and Patterns," ktMINE, July 25, 2018, https://www.ktmine.com/exploring-intellectual-property-at-apple-a-study-of-strategy-and-patterns	Malackowski		802; 602	
DX-4015	U.S. Patent No. 10,586,260	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-4016	10/29/2018 email regarding "Re: A clarification about Creator links/codes"	Sweeney; Allison			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4017	Document titled, "Contact Apple About Security Issues," Apple	Schiller; Federighi		802; 602	
DX-4018	Presentation titled "Project Liberty Update," dated May 13, 2020	Sweeney		602	
DX-4019	Document titled "Data Breach, Cambridge English Dictionary, available at https://dictionary.cambridge.org/us/dictionary/english/data-breach	Rubin	X		
DX-4020	Document titled "Safari Services," Apple, available at https://developer.apple.com/documentation/safariservices	Malackowski; Haun; Federighi		802; 602	
DX-4021	Document titled "Antitrust Guidelines for the Licensing of Intellectual Property," U.S. Department of Justice and the Federal Trade Commission, January 12, 2017, available at https://www.ftc.gov/system/files/documents/public_statements/1049793/ip_guidelines_2017.pdf	Malackowski		802; 602	
DX-4022	Epic Games website titled "Unreal Engine End User License Agreement," dated October 10, 2018	Babcock			
DX-4023	"PassKit (Apple Pay and Wallet)," Apple, https://developer.apple.com/documentation/passkit?language=occ	Malackowski; Haun; Federighi; Gray		802; 602	
DX-4024	Document Titled "Mac App Store Developer Feedback," dated November 20, 2015	Fischer; Schiller; Malackowski; Pruden			
DX-4025	Presentation titled "Epic Mobile Update," dated February 13, 2020	Schmalensee; Schiller		602	
DX-4026	3/6/2013 email regarding "Re: New App Process"	Malackowski			
DX-4027	Document titled "Epic Games April Board Report 052219 Engine View v2 (1).docx"	Sweeney			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4028	Steve Jobs iPhone 2007 Presentation (HD), available at https://www.youtube.com/watch?v=vN4U5FqrOdQ , video and transcript (Apple intends to show portions of the video corresponding to the following portions of the transcript: 2:1-4:7; 15:15-20)	Schiller		802; 602	
DX-4029	Document titled "Announcing the App Store Small Business Program," - News - Apple Developer.pdf Small Business Program	Schiller; Cook; Fischer; Kosmyinka;		602	
DX-4030	5/14/2018 email regarding "iOS sideload"	Grant; Vogel			
DX-4031	Presentation titled "STAGING - Liberty Partner Comms - Phase 1"	Sweeney		602	
DX-4032	7/23/2020 email regarding "Re: FN Mobile Deep Dive"	Shobin			
DX-4033	Presentation titled "Session 524 – Understanding Core Motion," Andy Pham, https://download.developer.apple.com/wwdc_2012/wwdc_2012_session_pdfs/44020_session_524_understanding_coremotion.pdf .	Malackowski; Cook; Federighi; Schiller		802; 602	
DX-4034	3/19/2015 email regarding "Re: Google Review"	Shoemaker; Haun; Malackowski			
DX-4035	Article titled "Apple: 30B apps downloaded, 400M App Store accounts set up," CNET, June 11, 2012, https://www.cnet.com/news/apple-30b-apps-downloaded-400m-app-store-accounts-set-up	Malackowski	X		
DX-4036	1/9/2018 email regarding "RE: Fortnite going big"	Sweeney		802	
DX-4037	8/31/2019 email regarding "Re: Epic Games Store Gives Away Amazing Games, What More Could They Do? - IGN"	Sweeney; Hutcheson; Allison; Kreiner			
DX-4038	"AppKit," Apple, https://developer.apple.com/documentation/appkit	Schiller; Malackowski		802; 602	
DX-4039	5/23/2019 email regarding "Re: Board Requested Engine Material"	Sweeney			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4040	"Apple's App Store Marks Historic 50 Billionth Download," Apple, May 16, 2013, https://www.apple.com/newsroom/2013/05/16Apples-App-Store-Marks-Historic-50-Billionth-Download	Malackowski; Schiller; Fischer		802; 602	
DX-4041	Web page, Epic Games CEO Says it Will Still Sign Exclusivity Deals With Steam Games, April 3, 2019	Kreiner		802; 602	
DX-4042	Matt Swider, "iOS 10 and iOS 10.3 features and updates," TechRadar, July 20, 2017, https://www.techradar.com/news/software/operating-systems/ios-10-release-date-news-beta-and-rumors-1311275	Malackowski		802; 602	
DX-4043	"Address Book," Apple, https://developer.apple.com/documentation/addressbook	Schiller; Malackowski		802; 602	
DX-4044	Slide deck titled "iOS Developer Program Satisfaction Survey: Wave 4," dated February 2013	Malackowski; Schiller; Cook; Fischer; Kosmyinka; Pruden			
DX-4045	Matthew Weissinger LinkedIn Profile	Weissinger			
DX-4046	Document titled "Games sim-ship on Play Ellie Powers. Data from Ricky Singla (Play Biz Ops)," dated February 4, 2017	Google custodian; Hitt; Schmalensee		802; 602	
DX-4047	5/28/2012 email regarding "Re: Viewdini on iOS"	Schiller		802	
DX-4048	11/30/2018 email regarding Partner Request - Refunds	Nikdel			
DX-4049	Document titled "Apple, Inc., iPhone SDK Launch," dated March 6, 2008	Schiller; Cook; Fischer; Kosmyinka; Federighi; Rubin		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4050	"Core Audio Overview - Introduction," Apple, https://developer.apple.com/library/archive/documentation/MusicAudio/Conceptual/CoreAudioOverview/Introduction/Introduction.html	Malackowski; Federighi; Haun		802; 602	
DX-4051	Slide deck titled "App Store Competitive Analysis: FYQ2'10 Update"	Schiller; Cook; Fischer; Kosmynka; Malackowski			
DX-4052	Document titled "PlayStation Global Developer & Publisher Agreement" available at https://www.sec.gov/Archives/edgar/data/946581/000162828017005833/ex10-48.htm	Evans			
DX-4053	Document titled "Windows Phone Apps – Microsoft Store" available at https://www.microsoft.com/en-us/store/apps/windows-phone	Rubin; Microsoft custodian		602	
DX-4054	1/21/2019 email regarding "Re: Retention Tool added in Tableau"	Penwarden		602	
DX-4055	"Services security overview," Apple, https://support.apple.com/guide/security/services-security-overview-sec025128f1b/1/web/1	Fischer; Friedman; Schiller; Malackowski		802; 602	
DX-4056	"In Conversation With Epic Games," The British Arrows, https://www.britisharrows.com/in-conversation-with-epic-games	Malackowski		802; 602	
DX-4057	2/15/2013 email regarding "Back to School next year..."	Cook; Schiller; Malackowski			
DX-4058	Ivan Krstic, Presentation titled "How iOS Security Really Works"	Schiller; Cook; Fischer; Kosmynka; Friedman		802; 602	
DX-4059	Amendment to Agreement	Kreiner			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4060	10/31/2019 email regarding "Re: EGS FAQ discussion - Follow Up Re: Exclusivity"	Sweeney; Hutcheson; Allison			
DX-4061	Amazon, "PlayStation 4 Games," available at https://www.amazon.com/PlayStation-4-Games/b?ie=UTF8&node=6427831011	Hitt		602	
DX-4062	Matt Bertz, Article titled "Tim Sweeney Answers Questions About The New Epic Games Store," December 4, 2018	Sweeney		802; 602	
DX-4063	U.S. Patent No. 10,852,912	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-4064	Owen S. Good, "How Lucasfilm used Unreal Engine to make The Mandalorian," dated, February 20, 2020, available at https://www.polygon.com/tv/2020/2/20/21146152/the-mandalorian-making-of-video-unreal-engine-projection-screen	Sweeney		802; 602	
DX-4065	12/19/2011 email regarding "Fwd: Android vs. iOS"	Google custodian		802	
DX-4066	5/14/2018 email regarding "iOS sideload - Curious where this is going. This fo..."	Grant; Rubin		602	
DX-4067	Microsoft, "Microsoft purchases 'Minecraft,'" available at https://news.microsoft.com/announcement/microsoft-purchases-minecraft/#	Hitt; Wright		802; 602	
DX-4068	11/27/2019 email regarding "Re: Epic Games Store planned policy change(Internet mail)"	Babcock			
DX-4069	U.S. Patent No. 10,341,852	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-4070	We don't have a shopping cart yet (Tweet), dated January 6, 2020	Sweeney		802; 901	
DX-4071	1/23/2018 email regarding "Re: 1-19-2018 ProfileGo Captures 3846046"	Penwarden; Grant			
DX-4072	8/13/2020 email regarding "[Meeting Block] Liberty block"	Sweeney; Nikdel; Allison; Grant; Ko			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4073	Document titled "iOS Developer Program License Agreement"	Schiller; Cook; Fischer; Kosmynka;		602	
DX-4074	Schiller Decl. Exhibit H - Correspondence from Apple to Epic re App Store Review Guidelines dated August 13, 2020	Schiller; Sweeney; Malackowski		802; 602	
DX-4075	Agreement titled "Nintendo Switch Content License and Distribution Agreement," last updated November 15, 2019	Evans			
DX-4076	"Audio Toolbox," Apple, https://developer.apple.com/documentation/audiotoolbox	Malackowski; Schiller; Federighi; Haun		802; 602	
DX-4077	Epic Games, "Why can't I play Season 4 on iOS?" available at https://www.epicgames.com/help/en-US/fortnite-c75/battle-royale-c93/why-can-t-i-play-season-4-on-ios-a6761	Hitt; Sweeney		602	
DX-4078	Epic Games, "What is the Battle Pass? Where can I learn More?" available at https://www.epicgames.com/help/en-US/fortnite-c75/battle-royale-c93/what-is-the-battle-pass-where-can-i-learn-more-a3271 ,	Hitt; Sweeney		602	
DX-4079	Slide deck titled "Fortnite Subscription," dated October 24, 2019	Vogel; Lafontaine		602	
DX-4080	"Intellectual Property," Apple, https://www.apple.com/legal/intellectual-property	Malackowski; Federighi; Fischer; Schiller		802; 602	
DX-4081	Apple WWDC 2012 Keynote Address, June 11, 2012	Cook; Schiller; Federighi		802; 602	
DX-4082	6/14/2019 email regarding "Fwd: URGENT: FORTNITE: Responses to recent call from App Review"	Kosmynka		802	
DX-4083	Spreadsheet with sheets referring to packages and subscription packages	Hitt		602	
DX-4084	Document titled "Apple Pay security and privacy overview"	Schiller; Federighi		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4085	Epic Games Store presentation titled “Epic Games store (PC)”	Sweeney			
DX-4086	“What’s New in Core Motion,” Apple , https://developer.apple.com/videos/play/wwdc2011/423	Malackowski; Cook; Federighi; Schiller		106; 802; 602	
DX-4087	10/4/2013 email regarding "Google Gives Android Developers Improved Analytics To Track Users' Acquisition And Engagement Data - TechCrunch"	Gray		802	
DX-4088	“IOSurface,” Apple, https://developer.apple.com/documentation/iosurface	Malackowski; Federighi; Fischer; Schiller		802; 602	
DX-4089	Presentation titled "iPhone Buyer Survey FY19-Q3 Global Report"	Schiller; Malackowski; Schmalensee		802; 602	
DX-4090	Steven Levy article titled “Phil Schiller on iPhone’s Launch, How It Changed Apple, and Why It Will Keep Going for 50 Years,” Wired, dated January 9, 2017 available at https://www.wired.com/2017/01/phil-schiller-on-iphones-launch-how-it-changed-apple-and-why-it-will-keep-going-for-50-years	Schiller		106; 802; 602	
DX-4091	8/9/2018 email regarding "Re: Apple and receiving gifts"	Sweeney; Vogel		602	
DX-4092	3/4/2020 email regarding "Epic Games – January 2020 Business Report"	Babcock			
DX-4093	6/11/2020 email regarding "RE: [EXTERNAL] Supporting XCloud, opening stores and platforms"	Sweeney		802	
DX-4094	Presentation re "Update on how the next year is shaping up for the App Store"	Schmalensee; Schiller; Fischer; Kosmyinka;			
DX-4095	“ARKit,” Apple, https://developer.apple.com/documentation/arkit	Malackowski; Schiller; Federighi; Haun		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4096	Apple announces App Store Small Business Program - Apple.pdf Small Business Program	Schiller; Cook; Fischer; Kosmynka; Rubinfeld; Schmalensee; Malackowski		802; 602	
DX-4097	Pete Hare and Ross LeBeau presentation titled "What's New in StoreKit Session 303"	Schiller; Cook; Fischer; Kosmynka;		802; 602	
DX-4098	2/6/2011 email regarding "Re: Magazine subscription write up"	Schiller		802	
DX-4099	"What is an API?," Red Hat, https://www.redhat.com/en/topics/api/what-are-application-programming-interfaces	Malackowski	X		
DX-4100	"What is an API?," Red Hat, https://www.redhat.com/en/topics/api/what-are-application-programming-interfaces	Sweeney; Ko		802; 602	
DX-4101	Apple, "Haiku Article Preview – Family Setup & Privacy," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/033/208513.html?cq_ck=1612520113150	Schiller; Federighi		802; 602	
DX-4102	3/28/2019 email regarding "Re: Gifting timing update"	Hutcheson; Kreiner			
DX-4103	Erick Schonfeld, "Apple Opens Up More Ways to Get Paid on the iPhone, Adds Key New Features. Apps Hit 800 Million Downloads." TechCrunch , March 17, 2009, available at https://techcrunch.com/2009/03/17/phone-apps-hit-800-million-downloads/	Malackowski	X		
DX-4104	Presentation titled "Project Liberty Update" July 1, 2020	Sweeney			
DX-4105	App Annie, "Coin Master," available at https://www.appannie.com/en/apps/google-play/app/com.moonactive.coinmaster/	Hitt		802; 602; Illegible	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4106	Sam Byford, "PSA: Fake 'Pokemon Yellow' app riding high in the App Store Charts (update: app pulled)," theverge, February 20, 2012, available at https://www.theverge.com/2012/2/20/2812849/psa-fake-pokemon-yellow-app-store-iphone	Rubin	X		
DX-4107	Apple, "Haiku Article Preview – About the "Are you sure you want to open it?" alert (File Quarantine / Known Malware Detection) in OS X," available at https://accp.corp.apple.com/cf#/content/haiku/article/en_US/KBase/007/201940.html?cq_ck=1612505011134	Schiller; Federighi		802; 602	
DX-4108	David Pogue, "Envelope, Please. It's a Pogie," The New York Times, Dec. 17, 2008, available at www.nytimes.com/2008/12/18/technology/personaltech/18pogue.html	Malackowski	X		
DX-4109	9/25/2019 email regarding "Re: CODM store propagation and exec meeting follow-ups"	Grimm; Schmid; Fischer		802	
DX-4110	Presentation titled "Epic Games - Kairos"	Sweeney		602	
DX-4111	PCMag Staff, "Every Place Apple and Samsung Are Suing Each Other," PCMag, September 14, 2011, available at https://www.pcmag.com/archive/every-place-samsung-and-apple-are-suing-each-other-287700	Malackowski	X		
DX-4112	Jacqui Cheng, "'Who needs an app store?' Five years of iPhone," ArsTechnica, June 28, 2012, available at https://arstechnica.com/gadgets/2012/06/who-needs-an-app-store-five-years-of-iphone/	Rubinfeld		802; 602	
DX-4113	Apple, "Core Motion," available at https://developer.apple.com/documentation/coremotion	Malackowski; Federighi; Haun		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4114	U.S. Patent No. 8,671,416	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-4115	U.S. Patent No. 10,366,278	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-4116	Apple, "Secure software updates," available at https://support.apple.com/guide/security/secure-software-updates-secf683e0b36/1/web/1	Fischer; Friedman; Schiller; Malackowski		802; 602	
DX-4117	Apple, "Haiku Article Preview – Apple ID & Privacy," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/033/208650.html?cq_ck=1612519085040	Schiller; Federighi		802; 602	
DX-4118	Apple, "Haiku Article Preview – Contact Apple for help with Apple ID account security," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/016/204169.html?cq_ck=1612523405694	Schiller; Federighi		802; 602	
DX-4119	6/3/2019 email regarding "Re: [kairos] Re: Microsoft Announces Minecraft World"	Grant; Sweeney			
DX-4120	U.S. Patent No. 10,353,693	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-4121	U.S. Patent Application No. 2020/0159966	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-4122	Apple, "Haiku Article Preview – About the security content of Xcode 12.0," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/045/211848.html?cq_ck=1612530457543	Schiller; Federighi		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4123	5/22/2020 email regarding "Re: ongoing player support fires (continued)"	Sweeney; Allison; Weissinger			
DX-4124	10/7/2019 email regarding "Re: Epic Games Store 5 Year P&L Deck"	Sweeney; Allison			
DX-4125	Agreement titled "Apple Developer Agreement"	Schiller; Cook; Fischer; Kosmyinka;			
DX-4126	Apple, "Apple Announces the New iPhone 3GS—The Fastest, Most Powerful iPhone Yet," June 8, 2009, available at https://www.apple.com/newsroom/2009/06/08Apple-Announces-the-New-iPhone-3GS-The-Fastest-Most-Powerful-iPhone-Yet/	Schiller; Malackowski		802; 602	
DX-4127	Martin Robinson, "The big interview: Tim Sweeney on why players should embrace epic Games' store," Eurogamer.net, March 21, 2019, available at https://www.eurogamer.net/articles/2019-03-21-the-big-interview-tim-sweeney-on-why-players-should-embrace-epic-games-store	Sweeney		802; 602	
DX-4128	U.S. Patent No. 10,445,043	Malackowski; Schiller; Federighi; Kosmyinka		106; 602	
DX-4129	Apple, "Haiku Article Preview – About the security content of iOS 14.0 and iPadOS 14.0," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/045/211850.html?cq_ck=1612516938855	Schiller; Federighi		802; 602	
DX-4130	Apple, "Code Signing," available at https://developer.apple.com/support/code-signing/	Schiller; Federighi; Rubin		802; 602	
DX-4131	6/21/2018 email regarding "Re: Google Play's redesigned Subscription Center simplifies recurring Android app bills 9to5Google"	Fischer		802	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4132	YouTube, "YouTube Music," available at https://www.youtube.com/musicpremium	Hitt		602	
DX-4133	Presentation titled "PS4 Cross-Play Data"	Vogel; Sweeney			
DX-4134	Apple, "Game Controller," available at https://developer.apple.com/documentation/gamecontroller	Malackowski; Federighi; Haun		802; 602	
DX-4135	Document titled "Transcript of Apple Inc. WWDC June 9, 2008 Keynote"	Cook; Schiller		802	
DX-4136	7/2/2018 email regarding "Re: Android Unknown Sources when Updating"	Sweeney; Vogel; Rubin		602	
DX-4137	Sarah Perez, "App revenue tops \$39 billion in the first half of 2019, up 15% from first half of last year," TechCrunch, July 3, 2019, available at https://techcrunch.com/2019/07/03/app-revenue-tops-39-billion-in-first-half-of-2019-up-15-from-first-half-of-last-year/	Hitt		802; 602	
DX-4138	8/4/2020 email regarding "Re: Fw: Project Liberty - mtg next steps"	Sweeney; Weissinger		602	
DX-4139	Spreadsheet titled "Match" with tabs titled "Downloads," "Revenue," "Unique Users," "iOS User Digital Products"	Match custodian; Hitt		602	
DX-4140	2020.09.15 [2:30-cv-05640 Dkt. 74-5] Schiller Decl. Exhibit E - Letter from Douglas G. Vetter (Apple) to Canon Pence (Epic) dated July 10, 2020	Schiller; Sweeney; Malackowski		802; 602	
DX-4141	Apple, "Haiku Article Preview – App Privacy – App Store," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/045/211971.html?cq_ck=1612523118516	Schiller; Federighi		802; 602	
DX-4142	Document titled "Roll Call Release, U.S. Dep't of Homeland Security & Federal Bureau of Investigation," July 23, 2013, available at https://info.publicintelligence.net/DHS-FBI-AndroidThreats.pdf	Hitt		802; 602	
DX-4143	Document titled "Epic Direct Pay Supported Countries and Currencies – Update"	Sweeney; Weissinger; Rein			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4144	Apple, "StoreKit," available at https://developer.apple.com/documentation/storekit	Malackowski; Haun; Federighi; Schiller		802; 602	
DX-4145	Apple, "Apple Previews Developer Beta of iPhone OS 3.0," March 17, 2009, available at https://www.apple.com/newsroom/2009/03/17Apple-Previews-Developer-Beta-of-iPhone-OS-3-0/	Malackowski; Schiller; Haun; Fischer		802; 602	
DX-4146	1/30/2019 email regarding "Re: Apple 30% At Risk_8.15.2018.pdf"	Grant; Sweeney; Vogel		106	
DX-4147	Reddit, "r/fuckepic - Community Notice – Ooblets," available at https://www.reddit.com/r/fuckepic/comments/clc3zf/community_notice_ooblets/	Hutcheson		402; 403; 802; 602	
DX-4148	5/11/2019 email regarding "Re: Fortnite Season 9 Assets and Details"	Shobin			
DX-4149	Workbook with two spreadsheets titled in part "Kantar ComTech USA"	Schiller; Malackowski		802; 602	
DX-4150	Microsoft, "Get Roblox – Microsoft Store," available at https://www.microsoft.com/en-us/p/roblox/9nblgggzm6wm	Hitt		802; 602	
DX-4151	Apple, "CareKit," available at https://developer.apple.com/documentation/carekit	Malackowski; Schiller; Federighi; Haun		802; 602	
DX-4152	6/14/2019 email regarding "URGENT: FORTNITE: Responses to recent call from App Review"	Grimm; Schmid		802	
DX-4153	Document titled CEO Meeting note, May 17, 2018	Ko; Sweeney		802; 602	
DX-4154	Apple, "Metal," available at https://developer.apple.com/documentation/metal	Malackowski; Haun; Federighi; Schiller		802; 602	
DX-4155	Document titled "Microsoft Store – Version 8.6 Effective Date: July 10, 2020 – App Developer Agreement"	Sweeney		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4156	8/5/2011 email regarding "Fwd: Android Market 2.2 :: Competitive Analysis"	Fischer		802	
DX-4157	Samsung Galaxy Store, "Terms and Conditions," available at https://seller.samsungapps.com/help/termsAndConditions.as	Hitt		602	
DX-4158	Epic Games, "The Epic Games Store is now live," December 6, 2018, available at https://www.epicgames.com/store/en-US/news/the-epic-games-store-is-now-live	Sweeney; Allison		602	
DX-4159	8/1/2020 email regarding "Re: Upcoming Project Liberty meetings"	Sweeney			
DX-4160	6/8/2016 email regarding "APP STORE 2.0 The Verge"	Gray		802	
DX-4161	Apple, "Redownload apps and games from Apple," available at https://support.apple.com/en-us/HT211841	Schiller; Fischer		802; 602	
DX-4162	Apple, "Entitlements," available at https://developer.apple.com/documentation/bundleresources/entitlements	Rubin; Schiller		802; 602	
DX-4163	Slide deck titled "App Store Pricing – Decisions Expansion to 200 Tiers for Subscriptions"	Gray; Schiller; Fischer; Malackowski			
DX-4164	Presentation titled "System Frameworks – Using StoreKit for In-App Purchases with Swift 3 – Session 702 – WWDC16"	Schiller; Fischer; Kosmyinka; Haun		802; 602	
DX-4165	Apple, "Introducing Create ML," available at https://developer.apple.com/videos/play/wwdc2018/703/	Cook; Federighi; Schiller; Malackowski		106; 802; 602; 6(c)	
DX-4166	Document titled "Project Liberty Campaign," file dated June 30, 2020	Sweeney		602	
DX-4167	Document titled "App Developers Deserve a Level of Playing Field," Coalition for App Fairness	Ong		106; 802; 901; 602	
DX-4168	Apple, "App Store Small Business Program," available at https://developer.apple.com/app-store/small-business-program/	Schiller; Cook; Fischer; Kosmyinka;		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4169	Epic Games Inc. Apple Discovery 12/2/2020 Non-GAAP (unaudited) Commissions to 3rd Party Platforms	Kreiner		602	
DX-4170	Presentation titled "EEDAR - Gamer Segmentation 2018 Syndicated Report"	Schiller; Malackowski		802; 602	
DX-4171	Apple, "App Store Preview: Match™ - #1 Dating App," available at https://apps.apple.com/us/app/match-1-dating-app/id305939712	Schiller; Fischer		802; 602	
DX-4172	Slide deck titled in part "Google Play," dated March 2020	Google custodian; Hitt		802; 602	
DX-4173	Apple, "Haiku Article Preview – Face ID Diagnostics & Privacy," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/040/210668.html?cq_ck=1612517947162	Schiller; Federighi		802; 602	
DX-4174	U.S. Patent No. 10,176,845	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-4175	Business of Apps, "App Monetization Models," available at https://www.businessofapps.com/marketplace/app-monetization/research/app-monetization-models/	Hitt		802; 602	
DX-4176	Youtube, "Apple – WWDC 2015", June 15, 2015, https://www.youtube.com/watch?v=_p8AsQhaVKI , (Apple intends to show the following portions of the video: 16:05-22:37, 1:11:21-1:13:30)	Malackowski; Schiller; Cook; Federighi		106; 802; 602	
DX-4177	Email from Matt Weissinger, dated May 15, 2020	Weissinger			
DX-4178	Presentation titled "Kick off Services with an update on the App store"	Schmalensee; Schiller; Cook; Fischer; Kosmynka;		802; 602	
DX-4179	4/27/2020 email regarding "Accepted: Mobile Payment Strategies @ Thu Apr 30, 2020 12:30pm - 2pm (EDT) (Ed Zobrist)"	Weissinger			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4180	Apple, "Haiku Article Preview – About the security content of iTunes 11.0.3," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/010/202737.html?cq_ck=1612527951138	Schiller; Federighi		802; 602	
DX-4181	Apple, "IOBluetooth," available at https://developer.apple.com/documentation/iobluetooth	Malackowski; Federighi; Fischer; Schiller		802; 602	
DX-4182	Nintendo, "Buy digital: Download and play today," available at https://www.nintendo.com/games/buy-digital/	Hitt		602	
DX-4183	Document titled in part "Public Affairs Proposal: Project Liberty for Epic Games" July 20, 2020	Weissinger		802	
DX-4184	Epic Games, "Why don't all of my V-Bucks transfer across platforms?," available at https://www.epicgames.com/help/en-US/fortnite-c75/billing-support-c121/why-don-t-all-of-my-vbucks-transfer-across-platforms-a3305	Sweeney		602	
DX-4185	4/30/2020 email regarding "Re: Sync on mobile payment strategy"	Sweeney; Shobin			
DX-4186	Tim Sweeney Dealbook Interview, November 18, 2020 https://www.youtube.com/watch?v=OWJ8TIn3cRM , video and transcript (Apple intends to show portions of the video corresponding to the following portions of the transcript: 2:3-5; 3:5-19; 8:7-9:6)	Sweeney		802; 602	
DX-4187	Presentation titled "iPhone Owner Study," dated June 2012	Schiller; Malackowski		802; 602	
DX-4188	10/2/2019 email regarding "Epic+Apple Weekly Sync"	Malik; Grimm; Schmid			
DX-4189	Minecraft, "How do you want to play," available at https://www.minecraft.net/en-us/get-minecraft/#	Hitt; Wright		802; 602	
DX-4190	5/17/2020 email regarding "Re: Communications Notes"	Weissinger			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4191	6/13/2019 email regarding "Re: UE4 Encryption Vulnerability Disclosure"	Penwarden			
DX-4192	Document titled "Transcript of Apple Inc. Preview Developer Beta of iPhone OS 3.0 Town Hall Presentation," dated March 17, 2009	Schiller; Fischer; Rubinfeld; Schmalensee		802; 602	
DX-4193	Evans, David S. and Richard Schmalensee, "Chapter 2 – The “Grab All the Eyeballs” Fallacy,” Matchmakers: The New Economics of Multisided Platforms, Harvard Business Review Press, May 3, 2016,	Schmalensee; Evans		106; 602	
DX-4194	Jim Dalrymple, "AIM highlights iPhone demo apps," MacWorld, March 6, 2008 https://www.macworld.com/article/1132401/aim.html	Malackowski	X		
DX-4195	Apple, "Haiku Article Preview – iOS product security: Validations and guidance," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/010/202739.html?cq_ck=1612612845137	Schiller; Federighi		802; 602	
DX-4196	Presentation titled "Managing Subscriptions with In-App Purchase – Session 308"	Schiller; Cook; Fischer; Haun; Pruden		802; 602	
DX-4197	Apple, "Certificates, Identifiers & Profiles" available at https://developer.apple.com/account/resources/certificates/list	Malackowski; Schiller; Haun; Friedman		802; 602	
DX-4198	Document titled "Project Liberty Press Rude Q&A - Staging"	Sweeney; Weissinger; Rein			
DX-4199	Spreadsheet titled "US sales: iPhone, iPad, and iPod Touch: Q4FY208-Q4FY2019"	Rubinfeld; Schiller; Cook		602	
DX-4200	Email from DJ Powers to Steam SWAT Release re Epic Games Store, subject "Talking points from recent trip," dated January 27, 2019	Hitt		802; 602	
DX-4201	Spreadsheet calendar from August 3 - 19, 2020 re various Project Liberty projects	Sweeney		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4202	Distribution Agreement between Epic Games, Inc. and a Company	Sweeney; Hitt		602	
DX-4203	2020.08.23 [4:20-cv-05640 Dkt. 41-15] - Byars decl. iso Motion for TRO Ex. O.pdf Epic Games, Inc. (Enterprise acct) DPLA (6/30/2020)	Sweeney; Schiller		602	
DX-4204	Apple Fandom, "Xcode," available at https://apple.fandom.com/wiki/Xcode	Malackowski		802; 602	
DX-4205	Apple, "Apple's App Store Downloads Top Two Billion," September 28, 2009, available at https://www.apple.com/newsroom/2009/09/28Apples-App-Store-Downloads-Top-Two-Billion/	Malackowski; Schiller; Fischer; Schmalensee		802; 602	
DX-4206	4/13/2018 email regarding "Re: Keyboard and Mouse in PUBG Mobile"	Penwarden; Sweeney; Epic Document Custodian			
DX-4207	Apple, "Apple Developer Enterprise Program," available at https://developer.apple.com/programs/enterprise/	Schiller; Malackowski		802; 602	
DX-4208	3/27/2009 email regarding "Re: App Store refund issue"	Gray; Pruden		802	
DX-4209	2020.08.23 [4:20-cv-05640 Dkt. 41-18] - Byars decl. iso Motion for TRO Ex. R Psyonix Developer Agreement (11/14/2019)	Sweeney; Schiller		602	
DX-4210	Apple, "What is Cocoa? ," available at https://developer.apple.com/library/archive/documentation/Cocoa/Conceptual/CocoaFundamentals/WhatIsCocoa/WhatIsCocoa.html	Malackowski; Haun; Federighi		802; 602	
DX-4211	Apple, "From Code to Customer," available at https://developer.apple.com/programs/	Malackowski; Federighi; Haun; Schiller		802; 602	
DX-4212	Agreement titled "Apple Developer Program License Agreement"	Schiller; Cook; Fischer; Kosmyinka;		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4213	Android, "Permissions on Android," available at https://developer.android.com/guide/topics/permissions/overview#dangerous_permissions	Rubin; Google custodian	X		
DX-4214	Slide deck titled "iOS Apps Reviewed Summary," dated March 11, 2020	Malackowski; Schiller; Cook; Fischer; Kosmynka;			
DX-4215	F-Droid, "What is F-Droid," available at https://f-droid.org/en/	Rubin		802; 602	
DX-4216	Apple, "Purchase and Activation," available at https://developer.apple.com/support/purchase-activation/	Schiller; Federighi; Rubin		802; 602	
DX-4217	Entertainment Software Association, "2019 Essential Facts About the Computer and Video Game Industry," May 2019, available at https://www.theesa.com/wp-content/uploads/2019/05/ESA_Essential_facts_2019_final.pdf	Hitt		802; 602	
DX-4218	10/2/2019 email regarding "RE: Epic Games – August 2019 Business Report(Internet_mail)"	Sweeney			
DX-4219	Slack Thread ID: 2951608166 among Josh Sachs, David Nikdel	Sweeney		602	
DX-4220	Evans, David S. and Richard Schmalensee, "Chapter 28 - Markets with Two-Sided Platforms," Issues in Competition Law and Policy (ABA Section of Antitrust Law), 1, 2008, pp. 667-693	Schmalensee; Evans		602	
DX-4221	Youtube, "2008 03 06 Apple March 6 Event, iPhone Software Roadmap," available at https://www.youtube.com/watch?v=e6TJ2uwjhVY	Malackowski; Schiller		106; 802; 602	
DX-4222	8/9/2018 email regarding "Re: Fortnite Android ISSUE"	Sweeney			
DX-4223	Apple, "Quartz," available at https://developer.apple.com/documentation/quartz	Malackowski; Haun; Federighi		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4224	Presentation titled "App Store Developer Study, US, China, Japan," dated May 2017	Schiller; Cook; Fischer; Kosmynka; Gray; Schmalensee		802; 602	
DX-4225	Agreement titled "Mac Developer Program License Agreement"	Schiller; Cook; Fischer; Kosmynka;		602	
DX-4226	Presentation titled "Maximizing Apple Development Resources – Session 415"	Schiller; Cook; Fischer; Kosmynka; Pruden; Grimm; Schmid; Haun		802; 602	
DX-4227	Saul Hansell, "Programmers Welcome for the iPhone... Next Year," NYTimes, October 17, 2007, available at https://bits.blogs.nytimes.com/2007/10/17/programmers-welcome-for-the-iphonenext-year/	Schiller		802; 602	
DX-4228	Document titled "Sustained Release Goals"	Grant			
DX-4229	Presentation titled "Fortnite Battle Royale / iOS + Android Go to Market Plan"	Sweeney			
DX-4230	Apple, "iPhone to Support Third-Party Web 2.0 Applications," June 11, 2007, available at https://www.apple.com/newsroom/2007/06/11iPhone-to-Support-Third-Party-Web-2-0-Applications/	Schiller		802; 602	
DX-4231	Apple, "Meet the developer: Philip Lam," April 24, 2020, available at https://developer.apple.com/news/?id=wk9cj822	Schiller; Pruden; Malackowski		802; 602	
DX-4232	Apple, "Apple Website Terms of Use," available at https://www.apple.com/legal/internet-services/terms/site.html	Fischer; Friedman; Schiller; Malackowski		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4233	2/7/2020 email regarding "Re: FORTNITE: Harley Quinn Integration Approval and Feature Assets"	Malik; Schmid		802	
DX-4234	Gordon Corera, "Iran 'hides spyware in wallpaper, restaurant and games apps'," BBC, February 8, available at https://www.bbc.com/news/technology-55977537	Rubin		802; 602	
DX-4235	1/30/2019 email regarding "Re: Apple 30% At Risk_8.15.2018.pdf"	Grant; Vogel			
DX-4236	Agreement between Epic Games International S.a.r.l., and a Company, dated March 8, 2019	Weissinger			
DX-4237	Apple, "Apple Security Bounty," available at https://developer.apple.com/security-bounty/	Schiller; Federighi; Rubin		802; 602	
DX-4238	Presentation titled "Epic Games / Fortnite Moblie / Adam Sussman Onboarding - January 2020"	Babcock		602	
DX-4239	8/1/2019 email regarding "Thank You."	Grimm; Schmid			
DX-4240	Document titled "Schedule 2 v12" August 10, 2014	Schiller; Cook; Fischer; Kosmynka;		602	
DX-4241	Apple. "Enrollment," available at https://developer.apple.com/support/enrollment/	Schiller; Federighi; Rubin		802; 602	
DX-4242	Document titled in part CEO Meeting note, May 17, 2018	Sweeney		802; 602	
DX-4243	12/20/2018 email regarding "Re: Exclusive Fortnite Offer Recap"	Schmid; Fischer		802	
DX-4244	"Form 6-K," Nokia Corporation, August 01, 2006, available at https://nokia.gcs-web.com/static-files/092db310-669e-4013-9a76-bf4497d26ac1	Schmalensee		602	
DX-4245	Apple, "DeviceCheck," available at https://developer.apple.com/documentation/devicecheck	Malackowski; Federighi; Haun		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4246	Apple, "Statement by Apple on App Store Review Guidelines," Apple Newsroom, September 9, 2010, available at https://www.apple.com/newsroom/2010/09/09Statement-by-Apple-on-App-Store-Review-Guidelines	Rubinfeld; Schiller; Kosmyinka		802; 602	
DX-4247	7/27/2020 email regarding "Updated invitation: Weekly Project Liberty Update @ Wed Aug 12, 2020 3pm - 4:30pm (EDT) (Alec Shobin)"	Sweeney; Grant; Ko; Weissinger			
DX-4248	Apple Developer, "SceneKit," available at https://developer.apple.com/scenekit	Schiller; Fischer; Haun		802; 602	
DX-4249	8/27/2018 email regarding "Fwd: Fortnite's Bad Bug, Epic's Complaint, The Downside of Open"	Sweeney; Rubin; Vogel		802; 602	
DX-4250	Microsoft, "Windows Apps," available at https://www.microsoft.com/en-us/store/apps/windows	Hitt; Wright		602	
DX-4251	YouTube, September 13, 2018, available at https://www.youtube.com/watch?v=wFTmQ27S7OQ (Apple intends to show portions of the video corresponding to the following portions of the video: 53:23-55:36)	Malackowski; Schiller		106; 802; 602	
DX-4252	Apple, "Apple Developer Documentation," available at https://developer.apple.com/documentation/	Schiller; Malackowski		802; 602	
DX-4253	Android, "Licenses," available at https://source.android.com/setup/start/licenses	Rubin; Google custodian	X		
DX-4254	Apple, "Hot News," available at https://web.archive.org/web/20071018221832/http://www.apple.com/hotnews/	Schiller		802; 602	
DX-4255	Epic Games, "What platforms or devices are compatible with Fortnite?," available at https://www.epicgames.com/help/en-US/fortnite-c75/technical-support-c118/what-platforms-or-devices-are-compatible-with-fortnite-a6693	Sweeney		602	
DX-4256	Agreement titled "Playstation Global Developer & Publisher Agreement"	Sweeney		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4257	Twitter "Andrew Grant's Tweet" dated Jan. 2, 2018	Grant		802	
DX-4258	1/21/2020 email regarding "Re: Fortnite Weekly KPIs Update - Week of 1/13/20"	Sweeney; Vogel		602	
DX-4259	Apple, "iPhone 3G on Sale Tomorrow," July 10, 2008	Schiller; Cook;		802; 602	
DX-4260	GitHub, "Open-Source Android Apps," available at https://github.com/pcqpcq/open-source-android-apps	Rubin	X		
DX-4261	Presentation titled "Protecting Your Users' Privacy – Session 714"	Schiller; Cook; Fischer; Kosmyinka; Friedman		802; 602	
DX-4262	12/20/2018 email regarding "Re: Apple Gifting, Promotions and Bundle"	Sweeney			
DX-4263	Apple Developer, "Choosing a Membership," available at https://developer.apple.com/support/compare-memberships/	Schiller; Fischer; Haun		802; 602	
DX-4264	Legal – "Apple Privacy Policy," available at www.apple.com/legal/privacy/en-ww/	Schiller; Cook; Fischer; Kosmyinka; Friedman; Rubin		802; 602; Illegible	
DX-4265	Ingrid Lunden, "iTunes App Store Passes 1.5M Apps, 100B Downloads, \$30B Paid to Developers to Date," TechCrunch, June 8, 2015, available at https://techcrunch.com/2015/06/08/itunes-app-store-passes-1-5m-apps-100b-downloads-30b-paid-to-developers/	Malackowski	X		
DX-4266	5/1/2019 email regarding "Re: Fraud update for week of April 14th"	Sweeney; Allison; Kreiner			
DX-4267	Apple, "App Store Preview: TIDAL Music," available at https://apps.apple.com/us/app/tidal-music/id913943275	Schiller; Fischer		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4268	Presentation titled "Epic Games – Project Liberty Comms, May 2020"	Sweeney			
DX-4269	2/23/2018 email regarding "Re: Android - wild idea"	Sweeney; Vogel		602	
DX-4270	slide deck titled, "Epic Games Fortnite Mobile - Adam Sussman Onboarding," dated January 2020	Schmalensee; Sweeney; Weissinger; Malik		602	
DX-4271	Apple, "Apple's App Store Downloads Top 10 Billion," January 22, 2011, available at https://www.apple.com/newsroom/2011/01/22Apples-App-Store-Downloads-Top-10-Billion/	Malackowski; Schiller; Fischer		802; 602	
DX-4272	Claud Xiao, "KeyRaider: iOS Malware Steals Over 225,000 Apple Accounts to Create Free App Utopia," Paloaltonetworks.com, August 30, 2015, available at https://unit42.paloaltonetworks.com/keyraider-ios-malware-steals-over-225000-apple-accounts-to-create-free-app-utopia	Rubin		802; 602	
DX-4273	8/5/2020 email regarding "STAGING - Project Liberty Public-Facing Media Q&A"	Weissinger			
DX-4274	Presentation titled "iPhone Software Roadmap"	Schiller; Cook; Fischer			
DX-4275	Presentation titled "iPhone Owner Survey, US, UK, France, Germany, China and Japan," dated March 2017	Schmalensee; Schiller; Cook; Fischer; Kosmyinka; Malackowski		802; 602	
DX-4276	Document titled "Exhibit B, In-Game Transaction Rider to the Epic Games Store Distribution Agreement"	Allison; Sweeney			
DX-4277	Workbook titled "Epic Games Inc Apple Discovery 12/2/2020 Non-GAAP (unaudited)" with two spreadsheets: Tab 1 "iOS"; Tab 2 "Android"	Sweeney; Weissinger; Vogel; Rein			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4278	Apple, "Apple Software License Agreements," available at https://www.apple.com/legal/sla/	Schiller; Malackowski		802; 602	
DX-4279	Apple, "Choosing a Membership," available at https://developer.apple.com/support/compare-memberships/	Schiller; Federighi; Rubin		802; 602	
DX-4280	9/28/2016 email regarding "Fwd: Heads up: Incorrect SPI rejections"	Kosmynka		802	
DX-4281	1/10/2007 email regarding "Fwd: Coverage Analysis - iPhone 1.9.07"	Cook; Schiller		802; 1002; 602	
DX-4282	U.S. Patent No. 9,531,779	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-4283	8/26/2019 email regarding "Re: August 2019 bonus proposal(Internet mail)"	Sweeney; Babcock			
DX-4284	12/7/2019 email regarding "Re: Video End Slate Logos"	Epic custodian			
DX-4285	U.S. Patent No. 10,719,303	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-4286	FCC 08-028, in the Matter of Annual Report and Analysis of Competitive Market Conditions with Respect to Commercial Mobile Services, before the Federal Communications Commission - Twelfth Report, February 4, 2008	Malackowski		802; 602	
DX-4287	Apple March 2008 Event, SDK launch, video and transcript (Apple intends to show portions of the video corresponding to the following portions of the transcript: 2:1-17; 3:16-22; 6:9-25; 17:17-18:19; 19:10-37:4; 50:23-51:12; 52:20-57:13; 58:14-19; 59:5-24; 63:11-17)	Schiller; Cook; Rubinfeld		802; 602	
DX-4288	Apple, "Teaching Code," available at https://www.apple.com/education/k12/teaching-code/	Schiller		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4289	Apple, "Haiku Article Preview – About privacy information on the App Store and the choices you have to control your data," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/045/211970.html?cq_ck=1612503342900	Schiller; Federighi		802; 602	
DX-4290	Brandon Sheffield, "The Future Human: An Interview with Tim Sweeney," Gamasutra, December 28, 2012, available at https://www.gamasutra.com/view/feature/184156/the_future_human_an_interview_.php?page=2&_sm_au_=iVVj5Zf7SMvN1S3PFcVTvKQkcK8MG	Sweeney		802; 602	
DX-4291	Fortnite, "FAQ-General," available at https://web.archive.org/web/20170909115422/https://www.epicgames.com/fortnite/en-US/faq	Hitt; Sweeney		602; Illegible	
DX-4292	Roblox, "Roblox VR," available at https://en.help.roblox.com/hc/en-us/articles/208260046-Roblox-VR	Hitt		802; 602	
DX-4293	Apple Event WWDC 2007, available at https://www.youtube.com/watch?v=ubm2dYzoDW8 , video and transcript (Apple intends to show portions of the video corresponding to the following portions of the transcript: 58:18-60:11)	Schiller		802; 602	
DX-4294	10/17/2007 email regarding "Coverage analysis: third party applications on the iPhone"	Cook; Schiller		802; 1002	
DX-4295	Apple, "UIKit," available at https://developer.apple.com/documentation/ui-kit	Malackowski; Haun; Federighi		802; 602	
DX-4296	2020.08.13 [2:20-cv-05640 Dkt. 1] Epic Games Complaint Ex. B -- App Review Guidelines	Schiller		602	
DX-4297	8/24/2018 email regarding "Re: Security bug"	Sweeney		802	
DX-4298	7/21/2020 email regarding "Re: payment processing security audit"	Vogel; Ko			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4299	Agreement titled "Apple Developer Program License Agreement"	Schiller; Cook; Fischer; Kosmynka; Friedman		602	
DX-4300	Kris Carlon, "Android version distribution: Are Google's faster rollout initiatives working?," Androidauthority.com, May 24, 2020, available at https://www.androidauthority.com/android-version-distribution-748439/	Rubin; Google custodian	X		
DX-4301	U.S. Patent No. 10,579,713	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-4302	Apple, "Apple Releases iOS 8 SDK With Over 4,000 New APIs," June 2, 2014, available at https://www.apple.com/newsroom/2014/06/02Apple-Releases-iOS-8-SDK-With-Over-4-000-New-APIs/	Malackowski; Federighi		802; 602	
DX-4303	Slide deck titled in part "Google Play," dated October 2020	Google custodian; Hitt		802; 602	
DX-4304	8/8/2018 email regarding "Re: Potential mitigations / Pivots to discuss for Android Launch"	Penwarden; Hutcheson; Rubin		602	
DX-4305	Acquired, "Epic Games, Season 7, Episode 3," September 1, 2020, available at https://www.acquired.fm/episodes/epic-games	Hitt		802; 602	
DX-4306	4/21/2020 email regarding "Re: The Verge - Epic gives in to Google and releases Fortnite on the Play Store"	Schiller; Kosmynka; Grimm; Schmid; Fischer; Pruden			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4307	Dean Takahashi, "Sony invests \$250 million in Fortnite maker Epic Games," Venturebeat.com, July 9, 2020, available at https://venturebeat.com/2020/07/09/sony-invests-250-million-in-fortnite-maker-epic-games/	Sweeney		402; 802; 602	
DX-4308	Defendant and Counterclaim Plaintiff Apple Inc.'s Notice of Deposition of Plaintiff and Counter-Defendant Epic Games, Inc.	Vogel		602	
DX-4309	Taylor Lyles, "Apple's free learn-to-code Swift Playgrounds sandbox arrives on Mac," The Verge, February 12, 2020, available at https://www.theverge.com/2020/2/12/21135573/apple-swift-playgrounds-coding-app-available-mac	Malackowski	X		
DX-4310	Document titled in part "US Smartphone NPS Analysis"	Google custodian; Hitt		802; 602	
DX-4311	3/10/2018 email regarding "RE: Fortnite announcement coming"	Sweeney		802	
DX-4312	Presentation titled "iPhone Buyer Survey FY20-Q1 Global Report"	Schiller; Malackowski			
DX-4313	Transcript of podcast, "WWDC preview: A conversation with Apple's former app approval chief by Foundering" dated May 27, 2019	Shoemaker		802; 602	
DX-4314	Presentation titled "Epic Games / Fortnite Mobile / Mobile Business Update/Deep Dive"	Sweeney			
DX-4315	Apple, "Haiku Article Preview – About Touch ID security on iPhone and iPad," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/018/204587.html?cq_ck=1612519834279	Schiller; Federighi		802; 602	
DX-4316	David S. Evans and Michael Salinger, "Why Do Firms Bundle and Tie? Evidence from Competitive Markets and Implications for Tying Law," Yale Journal on Regulation, 22(1), 2005, 37–89	Rubinfeld; Evans		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4317	Paul Hudson, "How to create a peer-to-peer network using the multipeer connectivity framework," Hacking with Swift, May 28, 2019, available at https://www.hackingwithswift.com/example-code/networking/how-to-create-a-peer-to-peer-network-using-the-multiper-connectivity-framework	Malackowski		802; 602	
DX-4318	Apple, "Haiku Article Preview – iTunes Store: Hiding and unhiding purchases," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/005/201322.html?cq_ck=1612520714318	Schiller; Federighi		802; 602	
DX-4319	9/14/2019 email regarding "Re: Epic Games Store Investment - Paradox(Internet mail)"	Allison			
DX-4320	Slack Chat Thread ID: 3020974105	Grant			
DX-4321	Slide deck titled "App Store Developers Profiling Research," dated March 2015	Schiller; Cook; Fischer; Kosmynka; Gray; Schiller; Haun		802; 602	
DX-4322	Spreadsheet with three tabs: Tab 1 "Commissions"; Tab 2 "Financials"; Tab 3 "Gift Cards"	Penwarden; Weissinger; Babcock; Schmalensee; Hitt		602	
DX-4323	Document titled "Schedule 2 v21," January 8, 2015	Schiller; Cook; Fischer; Kosmynka;		602	
DX-4324	Epic Games Inc. v Apple Inc. In re Apple iPhone Antitrust Litigation - Declaration of Craig Donato, dated January 15, 2021	Hitt		802; 602	
DX-4325	1/30/2019 email regarding "Re: Fortnite x Marshmello x Apple Music x App Store"	Rein			
DX-4326	9/11/2017 email regarding "Re: WeChat Games"	Sharma		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4327	Agreement titled "iOS Developer Program License Agreement"	Schiller; Cook; Fischer; Kosmynka;		602	
DX-4328	Letter from LAW FIRM dated January 31, 2020	Babcock; Sweeney		402; 403; 602	
DX-4329	U.S. Patent No. 10,891,369	Malackowski; Schiller; Federighi; Kosmynka		106; 602	
DX-4330	6/22/2018 email regarding "Fortnite Android launch plan"	Sweeney; Rein			
DX-4331	6/9/2016 email regarding "Fwd: Subs 2.0: Developer Reactions"	Schiller; Fischer		802	
DX-4332	The Fortnite Team, "Gifting Coming To Battle Royale," Epic Games, dated Nov. 17, 2018	Vogel		602	
DX-4333	4/24/2020 email regarding "Mobile payment strategies"	Nikdel; Ko		602	
DX-4334	12/27/2019 email regarding "Re: Clawback on other platforms like Nintendo's"	Nikdel			
DX-4335	Agreement between Epic Games, International S.à.r.l., and a Company, dated August 9, 2018	Schmalensee; Sweeney			
DX-4336	12/11/2012 email regarding "Re: The Next Web: Microsoft balks at Apple's 30% fee, leaving SkyDrive and apps that integrate with it in the lurch on iOS"	Schiller		802	
DX-4337	David Evans and Richard Schmalensee, "The Antitrust Analysis of Multisided Platform Business," In Roger D. Blair and D. Daniel Sokol (Eds.), Oxford Handbook of International Antitrust Economics, Oxford, 2015, pp. 404-447	Schmalensee; Evans		106; 602	
DX-4338	App Review Guidelines-June 3, 2019	Schiller; Cook; Fischer; Kosmynka;			
DX-4339	5/8/2019 email regarding "mobile push/banner of two upcoming events"	Malik			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4340	"The App Store turns 10," Apple, July 5, 2018, available at https://www.apple.com/newsroom/2018/07/app-store-turns-10	Malackowski; Schiller; Fischer; Schmalensee; Hitt		802; 602	
DX-4341	"Metal, Accelerating graphics and much more," Apple Developer, available at https://developer.apple.com/metal	Schiller; Federighi		802; 602	
DX-4342	Presentation titled "Epic Games Store, Presentation to the Board of Directors," dated August 13, 2020	Babcock		602	
DX-4343	Presentation titled "Using Receipts to Protect Your Digital Sales," Section 308, by James Wilson, Mac App Store	Schiller; Cook; Fischer; Kosmyinka		802; 602	
DX-4344	U.S. Patent Application No. 2021/0004454	Malackowski; Schiller; Federighi; Kosmyinka		602	
DX-4345	"Core Graphics," Apple, https://developer.apple.com/documentation/coregraphics	Malackowski; Federighi; Haun		802; 602	
DX-4346	"Apple Opens Up More Ways To Get Paid On The iPhone, Adds Key New Features. Apps Hit 800 Million Downloads." TechCrunch, March 17, 2009, available at https://techcrunch.com/2009/03/17/phone-apps-hit-800-million-downloads	Schiller; Malackowski		802; 602	
DX-4347	"Apple's App Store Downloads Top 1.5 Billion in First Year," Apple, July 14, 2009, available at https://www.apple.com/newsroom/2009/07/14Apples-App-Store-Downloads-Top-1-5-Billion-in-First-Year	Malackowski; Schiller; Fischer		802; 602	
DX-4348	"Performing Calculations on a GPU," Apple, available at https://developer.apple.com/documentation/metal/basic_tasks_and_concepts/performing_calculations_on_a_gpu?preferredLanguage=occ	Federighi; Haun; Malackowski		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4349	Epic structured data	Sweeney; Grant; Kreiner; Weissinger; Hitt			
DX-4350	Google Play, "Angry Birds Classic," available at https://play.google.com/store/apps/details?id=com.rovio.angrybirds&hl=en_US&gl=US	Hitt; Google custodian		802; 602	
DX-4351	"Unreal Engine," Unreal Engine, available at https://www.unrealengine.com/en-US	Sweeney; Malackowski		602; Illegible	
DX-4352	"About the security content of iOS 6," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/010/2026515.html?cq_ck=1612522046274	Schiller; Federighi		802; 602	
DX-4353	5/29/2020 email regarding "Re: (HOLD) V-Bucks Pricing Economic Impact"	Sweeney; Weissinger			
DX-4354	"Digitally Delivered Products," January 4, 2021, available at https://playstationpartners.service-now.com/csm?id=kb_article&sys_id=65032b5adb6b58102788f1f31d9619c6&policies=true	Evans		802	
DX-4355	Deborah A. Garza, Jonathan R. Yarowsky, Bobby R. Burchfield, W. Stephen Cannon, Dennis W. Carlton, Makan Delrahim, Jonathan M. Jacobson, Donald G. Kempf, Jr., Sanford M. Litvack, John H. Shenefield, Debra A. Valentine & John L. Warden, Antitrust Modernization Commission, "Report and Recommendations," April 2007, available at http://govinfo.library.unt.edu/amc/report_recommendation/toc.htm	Rubinfeld		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4356	Israel Wernick, Danil Golubenko, Aviran Hazum, Article titled “Google Play Store Played Again – Tekya Clicker Hides in 24 Children’s Games and 32 Utility Apps,” Check Point Research, March 24, 2020, available at https://research.checkpoint.com/2020/google-play-store-played-again-tekya-clicker-hides-in-24-childrens-games-and-32-utility-apps/	Rubin		802; 602	
DX-4357	“Setting Wholesale Pricing and Availability in Content Pipeline,” Playstation Partners Help Center, January 4, 2021, available at https://playstationpartners.service-now.com/csm?id=kb_article&sys_id=d4faa020db1f3f00bfa234bffe9619c6	Evans		802	
DX-4358	“Carbon,” Wayback Machine, April 20, 2009, available at https://web.archive.org/web/20090420064147/http://developer.apple.com/referencelibrary/Carbon	Malackowski; Federighi; Haun		802; 602	
DX-4359	6/4/2018 email regarding “App Store Review Guidelines Update 06.2018”	Schiller; Kosmynka; Fischer; Malackowski			
DX-4360	9/9/2019 email regarding “Re: Epic Games – July 2019 Business Report(Internet mail)”	Sweeney; Babcock			
DX-4361	“Epic Games Store, Review of Performance and Strategy,” dated October 25, 2019	Sweeney; Allison			
DX-4362	9/27/2019 email regarding “Re: Scoping FN Build for Google Play”	Shobin			
DX-4363	“Amazon Developer Services Agreement,” available at https://developer.amazon.com/support/legal/da	Sweeney		602; Document does not match Description	
DX-4364	Apple Inc. FQ2 2013 Earnings Call Transcript, S&P Global Market Intelligence, April 23, 2013	Malackowski; Cook		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4365	Spreadsheet with two tabs: Tab 1 "playing"; Tab 2 "notes""	Sweeney; Weissinger; Hitt		602	
DX-4366	"The Weather Channel: Forecast, Radar & Alerts," Amazon, available at https://www.amazon.com/Weather-Channel-Forecast-Radar-Alerts/dp/B0064X7FVE/ref=sr_1_1	Hitt		802; 602	
DX-4367	Slack messages, thread ID: 2988486968, dated July 27, 2020	Ko			
DX-4368	"About the security content of iOS," Document ID: 209106, available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/036/209106.html?cq_ck=1612514680823	Schiller; Federighi; Cook; Friedman; Kosmynka		802; 602	
DX-4369	6/27/2018 email regarding "Enable extendAutoRenewDate for MLB"	Gray			
DX-4370	Agreement between Epic Games International S.a.r.l., and a Company, dated March 8th, 2019	Weissinger		602	
DX-4371	"Epic Online Services Developer Agreement," Epic Online Services, available at https://dev.epicgames.com/en-US/services/terms/agreements	Sweeney; Malackowski		602	
DX-4372	Steve Jobs Q&A session following the SDK launch in 2008, video and transcript (Apple intends to show portions of the video corresponding to the following portions of the transcript: 2:23-5:9; 6:13-8:25)	Schiller; Rubin		802; 602	
DX-4373	"Internal Use Only, Project Diesel," dated January 22, 2018	Weissinger		602	
DX-4374	"iOS Apps Reviewed Summary," November 20, 2019	Kosmynka		802	
DX-4375	4/11/2018 email regarding "Re: Fortnite: tentative 'quiet' launch on Thursday 3/29"	Fischer; Grimm; Schmid; Malackowski			
DX-4376	"Finance Board Presentation," dated January 2020	Sweeney; Babcock		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4377	"Apple Developer Program License Agreement"	Schiller; Cook; Fischer; Kosmynka		602	
DX-4378	"Project Liberty Comms Strategy Update (Draft)," Epic Games, dated August 10, 2020	Shobin			
DX-4379	Jerry Hildenbrand, "After 10 years, Android apps are still worse than their iOS counterparts," Android & Chill, January 26, 2019, available at https://www.androidcentral.com/10-years-later-and-android-apps-are-still-worse-ios-version	Rubin	X		
DX-4380	Nineteen-Eighty-Fortnite video, available at https://www.youtube.com/watch?v=euiSHuaW6Q4 , video and transcript (Apple intends to show the entire video)	Sweeney; Weissinger; Ko			
DX-4381	1/18/2013 email regarding "Competitive Analysis: Amazon MP3 (iOS optimized)"	Cook; Schiller; Federighi			
DX-4382	"Use Restrictions to prevent purchasing on your iPhone, iPad, or iPod touch," Haiku Article Review, Document ID: 204396, available at https://accp.corp.apple.com/content/haiku/article/en_US/KBAse/017/204396.html?cq_ck=1612572942931	Schiller; Federighi; Friedman; Cook		802; 602	
DX-4383	"Epic Games, Inc. and Subsidiaries - Consolidated Financial Statements (Non-GAAP and US GAAP) For the Quarters Ending March 31, 2020 and 2019"	Schmalensee; Babcock; Hitt		602	
DX-4384	U.S. Patent No. 10,567,517	Malackowski; Schiller; Federighi; Kosmynka		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4385	“Antitrust Enforcement and Intellectual Property Rights: Promoting Innovation and Competition,” U.S. Department of Justice and the Federal Trade Commission, April 2007, available at https://www.ftc.gov/sites/default/files/documents/reports/antitrust-enforcement-and-intellectual-property-rights-promoting-innovation-and-competition-report.s.department-justice-and-federal-trade-commission/p040101promotinginnovationandcompetitionrpt0704.pdf	Malackowski		802; 602	
DX-4386	“Apple’s App Store hits 2M apps, 130B downloads, \$50B paid to developers,” TechCrunch, June 13, 2016, available at https://techcrunch.com/2016/06/13/apples-app-store-hits-2m-apps-130b-downloads-50b-paid-to-developers	Malackowski; Schiller; Fischer		802; 602	
DX-4387	Slack Chat Thread ID: 3008501542, dated July 20, 2020	Grant			
DX-4388	“Steam Rev Share - Group Update”	Hitt		802; 602	
DX-4389	10/29/2009 email regarding “Fwd: PSP Go Launch”	Hitt; Schmalensee		802; 602	
DX-4390	“Search Rift,” Oculus.com, available at https://www.oculus.com/experiences/rift/search	Hitt; Sharma		602	
DX-4391	“Privacy,” Apple, available at https://www.apple.com/privacy/	Schiller; Federighi; Cook; Friedman; Gray; Rubin		802; 602	
DX-4392	Brian Barrett, “Imposter Fortnite Android Apps Are Already Spreading Malware,” dated August 16, 2018, available at https://www.wired.com/story/imposter-fortnite-android-apps-already-spreading-malware/	Sweeney		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4393	"IOKit," Apple, available at https://developer.apple.com/documentation/iokit	Malackowski; Federighi; Fischer; Schiller		802; 602	
DX-4394	4/27/2018 email regarding "Aurum BRD"	Gray		802	
DX-4395	3/20/2018 email regarding "Re: FN app rating prompt proposal"	Hutcheson		602	
DX-4396	"Epic Games, Inc., Fifth Amended and Restated Shareholders Agreement," dated June 15, 2016	Sweeney			
DX-4397	"Apple Announces iPhone 2.0 Software Beta," Apple, March 6, 2008, available at https://www.apple.com/newsroom/2008/03/06Apple-Announces-iPhone-2-0-Software-Beta	Malackowski; Cook; Schmalensee		802; 602	
DX-4398	"App privacy details on the App Store," App Store, available at https://developer.apple.com/app-store/app-privacy-details/	Schiller; Federighi; Rubin		802; 602	
DX-4399	Presentation titled "App Store"	Fischer; Cook; Schiller; Kosmyinka		802; 602; 37(c)	
DX-4400	"App Store & Privacy," Haiku Article Review, available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase?040/210584.htm?cq_ck=1612523853960	Fischer; Cook; Schiller; Kosmyinka; Federighi; Friedman		802; 602	
DX-4401	Jordan Herman, "2019 Mobile App Threat Landscape Report," RiskIQ, available at https://www.riskiq.com/wp-content/uploads/2020/06/RiskIQ-2019-Mobile-App-Threat-Landscape-Report.pdf	Rubin		802; 602	
DX-4402	"Let's get technical," Affinity, available at https://affinity.serif.com/en-us/photo/full-feature-list	Hitt		802; 602	
DX-4403	U.S. Patent No. 10,827,319	Malackowski; Schiller; Federighi; Kosmyinka		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4404	Presentation titled “FY17 App Store Developer Survey Results, China, Japan and US,” App Store Developer Marketing and Apple Market Research and Analysis, fielded May 2017	Cook; Schiller; Kosmynka; Federighi; Fischer; Pruden; Schmalensee		802; 602	
DX-4405	“Antitrust Enforcement and Intellectual Property Rights: Promoting Innovation and Competition,” Issued By the U.S. Department of Justice and the Federal Trade Commission, April 1, 2007, available at < https://www.ftc.gov/reports/antitrust-enforcement-intellectual-property-rights-promoting-innovation-competition-report >	Rubinfeld		802; 602	
DX-4406	“WidgetKit,” Apple, available at https://developer.apple.com/documentation/widgetkit?language=occ	Malackowski; Haun; Federighi		802; 602	
DX-4407	“Apple Trademark List*,” Apple, available at https://www.apple.com/legal/intellectual-property/trademark/appletmlist.html	Malackowski; Schiller		802; 602	
DX-4408	David Evans, Andrei Hagiu, Richard Schmalensee, “How Software Platforms Drive Innovation and Transform Industries,” Invisible Engines	Schmalensee; Evans		602	
DX-4409	“Kantar ComTech USA Report CQ4’19,” Apple Market Research and Analysis	Malackowski; Cook; Schiller; Kosmynka; Fischer; Pruden;		802; 602	
DX-4410	3/31/2020 email regarding “Reminder: Your app, Fortnite, may be featured on the App Store.”	Sweeney; Malackowski		602	
DX-4411	Complaint For Trademark Trademark Infringement; False Designation of Origin and False Description; Dilution; Trademark Infringement; Dilution; Unfair Competition, Apple Inc. v. Amazon.com, Inc., March 18, 2011	Malackowski		402; 403; 802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4412	"Apple Terms and Conditions," Apple, available at https://developer.apple.com/terms	Schiller; Malackowski		802; 602	
DX-4413	"About the security content of iTunes 10," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/008/202104.html?cq_ck=1612525383683	Cook; Schiller; Kosmynka; Fischer; Friedman		802; 602	
DX-4414	U.S. Bureau of Labor Statistics, "Frequently Asked Questions about Hedonic Quality Adjustment in the CPI," September 30, 2020, available at https://www.bls.gov/cpi/quality-adjustment/questions-and-answers.htm	Lafontaine		802; 602	
DX-4415	8/28/2019 email regarding "Re: Cleaned up answers for Epic Games store Rock Paper Shotgun"	Sweeney; Allison			
DX-4416	"Apple will require apps to add privacy 'nutrition labels' starting December 8th," The Verge https://www.theverge.com/2020/11/5/21551926/apple-privacy-developers-nutrition-labels-app-store-ios-14	Rubin	X		
DX-4417	8/10/2016 email regarding "8.10 Niantic Status"	Haun; Pruden		802	
DX-4418	FINAL iOS Schedule 2 v20 iOS Schedule 2 v 20.pdf	Gray; Cook; Schiller; Kosmynka; Fischer; Friedman		602	
DX-4419	5/11/2020 email regarding "Re: Apple / Google approach (attorney client privilege)"	Sweeney; Rein			
DX-4420	Tuan C. Nguyen, "The Brief History of Smartphones," ThoughtCo., June 25, 2019, available at https://www.thoughtco.com/history-of-smartphones-4096585	Malackowski	x		

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4421	"Core Audio Frameworks," Apple, available at https://developer.apple.com/library/archive/documentation/MusicAudio/Conceptual/CoreAudioOverview/CoreAudioFrameworks/CoreAudioFrameworks.html#//apple_ref/doc/uid/TP40003577-CH9-SW1	Malackowski; Federighi; Haun		802; 602	
DX-4422	"Apples Mac App Store Opens for Business," Apple, available at http://www.apple.com/pr/library/2011/01/06/Apples-Mac-App-Store-Opens-for-Business.html	Cook; Schiller; Kosmynka; Fischer		802; 602	
DX-4423	1/30/2019 email regarding "Re: FN perf dev sync recap - 1/29"	Penwarden; Sweeney; Epic Document Custodian			
DX-4424	U.S. Patent No. 9,530,133	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-4425	Agreement between Epic Games and a Company, effective May 1, 2019	Weissinger; Sweeney			
DX-4426	"Application Signing," Android.com, available at https://source.android.com/security/apksigning	Rubin; Google custodian	X		
DX-4427	4/30/2020 email regarding "Re: Sync on mobile payment strategy"	Sweeney			
DX-4428	4/6/2018 email regarding "RE: Re: Fortnite partnership idea"	Sweeney		802	
DX-4429	5/12/2020 email regarding "Re: Q1:2020 Board Update(Internet mail)"	Allison			
DX-4430	"Android Compatibility Program Overview," Android.com, available at https://source.android.com/compatibility/overview	Rubin; Google custodian	X		
DX-4431	"The Weather Channel for Samsung," The Weather Channel Samsung, available at http://galaxystore.samsung.com/detail/com.weather.samsung	Hitt		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4432	“Security by Design Principles according to OWASP,” ThreatPress, March 27, 2018, available at https://blog.threatpress.com/security-design-principles-owasp/	Rubin		802; 602	
DX-4433	“Using Apple Beta Software,” Apple, available at https://developer.apple.com/support/beta-software	Malackowski; Haun; Federighi		802; 602	
DX-4434	“Microsoft Store Policies,” Microsoft, October 1, 2019, available at https://docs.microsoft.com/en-us/windows/uwp/publish/store-policies	Schmalensee		602	
DX-4435	9/9/2019 email regarding “Re: Epic Key sales”	Kreiner			
DX-4436	7/30/2020 email regarding "Re: Project Liberty - First Party Calls Completed"	Sweeney; Weissinger			
DX-4437	7/16/2019 email regarding “Re: Epic Games store community team”	Sweeney; Allison		602	
DX-4438	Jordan Herman, “The Q1 2018 Mobile Threat Landscape Report, Threat Actors Target Cryptocurrency, but Leave Clues” RiskIQ, available at https://cdn.riskiq.com/wp-content/uploads/2018/05/RiskIQ-The-Q1-2018-Mobile-Threat-Landscape-Report.pdf?_ga=2.260044495.477046621.1527713710-247055714.1527713710	Rubin		802; 602	
DX-4439	“Form 10-K For the fiscal year ended December 31, 2018, PayPal Holdings, Inc.,” United States Securities and Exchange Commission, January 31, 2019, available at https://sec.report/Document/0001633917-19-000043/pypl201810-k.htm	Schmalensee; Cook		602	
DX-4440	“Schedule 2” iOS_Paid_Apps_v10.pdf	Cook; Schiller; Kosmyinka; Fischer		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4441	"Introducing Xcode 12," Apple, available at https://developer.apple.com/xcode	Malackowski; Hitt; Federighi; Haun		802; 602	
DX-4442	1/10/2013 email regarding "Re: FYI: Google allowing more Android developers to respond to user reviews"	Haun; Fischer; Pruden		802	
DX-4443	"Tinder's parent company criticizes Apple over App Store," Axios, dated June 17, 2020	Ong		802; 602	
DX-4444	6/29/2020 email regarding "Accepted: Project Liberty Update @ Wed Jul 1, 2020 11am - 12pm (EDT) (Ed Zobrist)"	Shobin			
DX-4445	"Apple Developer Agreement, " 2020.08.23 [41 - 41-22] - Byars decl. iso Motion for TRO Ex. H.pdf Epic Games, Inc. Developer Agreement (9/5/2019)	Sweeney; Schiller		602	
DX-4446	Stephen Silver, "The revolution Steve Jobs resisted: Apple's App Store marks 10 years of third-party innovation," Apple Insider, July 10, 2018, available at https://appleinsider.com/articles/18/07/10/the-revolution-steve-jobs-resisted-apples-app-store-marks-10-years-of-third-party-innovation	Hitt		802; 602	
DX-4447	3/29/2011 email regarding "Re: Amazon Apps :: Competitive Analysis"	Hitt; Schiller; Fischer; Pruden			
DX-4448	"Menus and Shortcuts," Apple, available at https://developer.apple.com/documentation/ui-kit/menus_and_shortcuts	Malackowski; Haun; Federighi		802; 602	
DX-4449	U.S. Patent No. 10,552,830	Malackowski; Schiller; Federighi; Kosmyinka		602	
DX-4450	"Audiobooks Through ACX," Kindle Direct Publishing, available at https://kdp.amazon.com/en_US/help/topic/G201014330	Hitt		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4451	Julien Gamba, Mohammed Rashed, Abbas Razaghpanah, Juan Tapiador, and Narseo Vallina-Rodriguez, "An analysis of pre-installed android software" available in 2020 IEEE Symposium on Security and Privacy (SP), pp. 1039-1055, IEEE, 2020	Rubin		602	
DX-4452	"RealityKit," Apple, available at https://developer.apple.com/documentation/realitykit	Malackowski; Haun; Federighi		802; 602	
DX-4453	"Mobile Fact Sheet," Pew Research Center, June 12, 2019, available at https://www.pewresearch.org/internet/fact-sheet/mobile	Hitt		802; 602	
DX-4454	"Apple releases first public betas of iOS 14.5 and iPadOS 14.5," 9to5Mac, February 4, 2021, available at https://9to5mac.com/2021/02/04/ios-14-5-public-beta-now-available	Malackowski	X		
DX-4455	10/21/2010 email regarding "Fwd: Epic Meeting brief"	Apple custodian			
DX-4456	Presentation titled "Fortnite: Weekly Mobile Status May 10, 2019"	Grant			
DX-4457	8/9/2018 email regarding "RE: Note 9 + Fortnite launch"	Sweeney; Ko; Hitt		802; 602	
DX-4458	"About the privacy and security of your health records," Haiku Article Preview, available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/036/209519.html	Schiller; Federighi		802; 602	
DX-4459	Slack Chat Thread Id: 3013197823, dated August 11, 2020	Shobin			
DX-4460	Shannon Vavra, "During a pandemic, stalkerware becomes even more sinister," Cyberscoop, June 30, 2020, available at https://www.cyberscoop.com/stalkerware-pandemic-coronavirus-domestic-violence/	Rubin		802; 602	
DX-4461	"What are Gold Bars used for?" King Community, available at https://community.king.com/en/blog/kb/articles/596-what-are-gold-bars-used-for	Hitt		602	
DX-4462	2/14/2020 email regarding "Re: Ramadan 2020 App Store Campaign // Fortnite"	Malik; Schmid		802	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4463	3/14/2018 email regarding "Re: Fortcraft pulled from Test Flight by Apple"	Sweeney; Rein			
DX-4464	"Game Store," Nintendo, January 13, 2021, available at https://www.nintendo.com/games/game-guide	Hitt		602	
DX-4465	"Apple's iOS 4.2 Available Today for iPad, iPhone & iPod touch," Apple, November 22, 2010, available at https://www.apple.com/newsroom/2010/11/22Apples-iOS-4-2-Available-Today-for-iPad-iPhone-iPod-touch	Malackowski; Schiller		802; 602	
DX-4466	"Distribute to registered devices (iOS, tvOS, watchOS)," available at https://help.apple.com/xcode/mac/current/#/dev7ccaf4d3c	Rubin; Schiller		802; 602	
DX-4467	"Google Play Protect in 2018: New Updates to keep Android users secure," Google Security Blog, February 29, 2019, available at https://security.googleblog.com/2019/02/google-play-protect-in-2018-new-updates.html	Kosmynka; Google custodian		802; 602	
DX-4468	U.S. Patent No. 8,209,632	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-4469	U.S. Patent No. 10,534,533	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-4470	"Alternative distribution options," Android, available at https://developer.android.com/distribute/marketing-tools/alternative-distribution	Rubin; Google custodian	X		
DX-4471	"Download apps and games on your iPhone or iPad," Apple, available at https://support.apple.com/en-us/HT204266	Schiller; Fischer		802; 602	
DX-4472	5/23/2019 email regarding "Re: CRITICAL: Division 2 fraud - halt sales"	Sweeney; Allison			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4473	"How to Install and Play Roblox Using Browser," Roblox, available at https://en.help.roblox.com/hc/en-us/articles/204473560-How-to-Install-and-Play-Roblox-Using-Browser	Hitt		602	
DX-4474	"Google follows Apple's lead, introduced human app review team for the Play Store," Appleinsider.com, available at https://appleinsider.com/articles/15/03/17/google-follows-apples-lead-introduces-human-app-review-team-for-the-play-store	Schiller; Fischer; Kosmynka; Rubin		802; 602	
DX-4475	12/14/2018 email regarding "Fwd: Fortnite Bundle Info"	Schmid; Fischer		802	
DX-4476	"App Analytics & Privacy," Haiku Article Preview, available at https://accp.corp.apple.com/content/haiju/article/en_US/KBase/040/210661.html	Schiller; Federighi		802; 602	
DX-4477	Schiller Decl. Exhibit D - Email from Tim Sweeney to Tim Cook et al. re "Consumer Choice & Competition" dated June 30, 2020	Schiller; Sweeney; Cook; Malackowski		602	
DX-4478	Slide deck titled "Ecosystem Intelligence Program," dated January 2018	Google custodian; Hitt		802; 602	
DX-4479	Microsoft Corporation, Form 10-K for the fiscal year ended June 30, 2020, filed on July 30, 2020	Hitt; Microsoft custodian		602	
DX-4480	2020.09.15 [4:20-cv-05640 Dkt. 74-6] Schiller Decl. Exhibit F - Email from Tim Sweeney to Tim Cook et al. re "Response to June 30 Email" dated July 17, 2020	Schiller; Sweeney; Cook; Malackowski		602	
DX-4481	Presentation titled "Mobile Payments Sync"	Shobin; Ko		602	
DX-4482	ASCIwwdc, "Introducing MusicKit - Session 502 WWDC 2017," available at https://asciwwdc.com/2017/sessions/502	Cook; Federighi; Schiller; Malackowski		802; 602	
DX-4483	Facebook, Inc., Form 10-K for the fiscal year ended December 31, 2018, filed on January 31, 2019	Sharma; Hitt		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4484	Google, "Summaries," January 28, 2021, available at https://support.google.com/googleplay/android-developer/answer/9876714	Rubin; Google custodian	X		
DX-4485	Document titled "Epic Games - January 2019 Business Report"	Babcock			
DX-4486	Seth Barton, "Tim Sweeney: 'The game business will change more in the next five years than the past ten'", MCVUK.com, March 11, 2019	Sweeney		802; 602	
DX-4487	Apple, "Haiku Article Preview – About Subscription and Privacy," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/028/207233.html?cq_ck=1612503973082	Schiller; Federighi		802; 602	
DX-4488	U.S. Patent No. 10,708,391	Malackowski; Schiller; Federighi; Kosmyinka		602	
DX-4489	Epic Games, Inc.'s Responses and Objections to Apple, Inc.'s Third Set of Interrogatories dated February 15, 2021	Weissinger; Allison; Grant; Rein		602	
DX-4490	Windows Central, "Windows Phone Store," August 7, 2014, available at https://www.windowscentral.com/windows-phone-store .	Hitt; Wright		802; 602	
DX-4491	Spreadsheet of two tabs: "UsersPlatform 2015-2020" and "Family Plan Controlled"	Evans			
DX-4492	Wall Street Journal, "The Mobile Industry's Never Seen Anything Like This: An Interview with Steve Jobs at the App Store's Launch," July 25, 2018, available at https://www.wsj.com/articles/the-mobile-industrys-never-seen-anything-like-this-an-interview-with-steve-jobs-at-the-app-stores-launch-1532527201	Malackowski		802; 602	
DX-4493	Letter re: Amendment #1 to Agreement for "Fortnite", dated March 15, 2018	Kreiner; Sweeney			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4494	Rue Liu, "Apple iPhone 4S keynote video now available" SlashGear, October 4, 2011, available at https://www.slashgear.com/apple-iphone-4s-keynote-video-now-available-04185460/ (Apple intends to show portions of the video corresponding to the following portions of the video: 1:15-6:02)	Schiller; Cook		802; 602	
DX-4495	Presentation titled "iPhone Buyer FY20-Q2 Global Report"	Schiller; Malackowski		802; 602	
DX-4496	12/25/2019 email regarding "Re: Xsolla"	Sweeney; Ko			
DX-4497	U.S. Patent No. 8,593,452	Malackowski; Schiller; Federighi; Kosmyinka		602	
DX-4498	Peter Cohen and Jason Snell, "Steve Jobs at D: All Things Digital, Live Coverage," Macworld, May 29, 2007, available at https://www.macworld.com/article/1058128/s-teveatd.html	Schiller; Rubinfeld		802; 602	
DX-4499	U.S. Patent No. 10,187,770	Malackowski; Schiller; Federighi; Kosmyinka		602	
DX-4500	Minecraft, "Marketplace FAQs," available at https://help.minecraft.net/hc/en-us/articles/360035347351-Marketplace-FAQs	Hitt; Wright		802; 602	
DX-4501	Apple, "HomeKit," available at https://developer.apple.com/documentaion/homokit/	Malackowski; Federighi; Haun		802; 602	
DX-4502	Apple, "macOS Big Sur," available at https://www.apple.com/macos/big-sur/	Cook		802; 602	
DX-4503	Slack Chat Thread ID: 2984337503	Ko; Sweeney			
DX-4504	Evans, David S. and Richard Schmalensee, "Chapter 7 – Beyond the Castle Walls," Matchmakers: The New Economics of Multisided Platforms, Harvard Business Review Press, May 3, 2016,	Schmalensee; Evans		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4505	10/18/2015 email regarding "Re: ERB: Numerous Apps in Violation"	Malackowski; Schiller; Federighi; Haun			
DX-4506	Apple, "App Store Preview: Roblox," available at https://apps.apple.com/us/app/roblox/id431946152 .	Schiller; Fischer		802; 602	
DX-4507	NewZoo, "About Newzoo," available at https://newzoo.com/about/	Hitt		802; 602	
DX-4508	Apple, "Core Video," available at https://developer.apple.com/documentation/corevideo	Malackowski; Federighi; Haun		802; 602	
DX-4509	Apple, "Haiku Article Preview – Unauthorized modification of iOS can cause security vulnerabilities, instability, shortened battery life, and other issues," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/007/201954.html?cq_ck=1612595943055	Schiller; Federighi		802; 602	
DX-4510	Eucomplaw, "The Role of Error Analysis in Antitrust Cases and Why Antitrust Cases are Vulnerable to Erroneous Decisions," available at https://www.eucomplaw.com/error-types/	Rubinfeld		602	
DX-4511	12/24/2014 email regarding "Re: Binary Size Increase"	Shoemaker; Fischer		802	
DX-4512	Presentation titled "Using Store Kit for In-App Purchases – Session 305"	Schiller; Cook; Fischer; Haun; Pruden		802; 602	
DX-4513	Agreement titled "Apple Developer Agreement"	Schiller; Malackowski		602	
DX-4514	Document titled "Steam Cross Play"	Evans		802; 602	
DX-4515	"Form 10-K For the fiscal year ended December 31, 2019," Square, Inc., February 21, 2020, available at https://www.sec.gov/Archives/edgar/data/1512673/000162828020002303/sq-20191231.htm	Schmalensee; Cook		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4516	Rene Ritchie, "History of the App Store," imore, July 10, 2014, available at https://www.imore.com/history-app-store	Malackowski	X		
DX-4517	SensorTower, "Top Charts: iPhone - US – Games," available at https://sensortower.com/ios/rankings/top/iphone/us/games	Hitt		802; 602	
DX-4518	Apple, "Haiku Article Preview – Troubleshooting the Mac App Store," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/013/203421.html?cq_ck=1612507869446	Schiller; Federighi		802; 602	
DX-4519	Amendment to Agreement for "Fortnite," dated September 18, 2018	Kreiner			
DX-4520	Apple, "Introduction to Apple platform security," available at https://support.apple.com/guide/security/intro-to-apple-platform-security-seccd5016d31/web	Fischer; Friedman; Schiller; Malackowski		802; 602	
DX-4521	U.S. Patent No. 10,904,375	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-4522	Slide deck titled "Games Streaming (Main Deck Link Above) Deprecated"	Google custodian; Hitt		802; 602	
DX-4523	Apple, "SwiftUI," available at https://developer.apple.com/documentation/swiftui/	Malackowski; Haun; Federighi		802; 602	
DX-4524	5/8/2018 email regarding Epic partnership	Sweeney; Ko		802; 602	
DX-4525	Apple, "About Simulator," available at https://developer.apple.com/library/archive/documentation/IDEs/Conceptual/iOS_Simulator_Guide/Introduction/Introduction.html	Malackowski; Schiller		802; 602	
DX-4526	Presentation titled "Size of Business"	Schmalensee; Schiller; Cook; Fischer;		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4527	Apple, "Haiku Article Preview – About the security partial trust allow list," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/019/204938.html?cq_ck=1612509205838	Schiller; Federighi		802; 602	
DX-4528	Apple, "What You Need to Enroll," available at https://developer.apple.com/programs/ios/university/enroll/	Malackowski; Schiller; Fischer; Pruden		802; 602	
DX-4529	Presentation titled "Amazon 'Appstore' Early Feedback" by Eshwar Vangala	Schiller; Cook; Fischer; Kosmyinka		802; 602	
DX-4530	U.S. Patent No. 9,286,034	Malackowski; Schiller; Federighi; Kosmyinka		602	
DX-4531	Document titled "Epic Games -- Q1 2018 Business Report," April 2018	Sweeney; Rein			
DX-4532	Becky Quick, "Watch Apple CEO Tim Cook's full interview from the Berkshire Hathaway shareholder meeting," CNBC.com, May 6, 2019, available at https://www.cnbc.com/2019/05/06/apple-ceo-tim-cook-interview-from-berkshire-hathaway-meeting.html	Cook		802; 602	
DX-4533	Apple, "App Store Preview: Facebook," available at https://apps.apple.com/us/developer/facebook-inc/id284882218	Schiller; Fischer		802; 602	
DX-4534	7/22/2020 email regarding "Re:"	Sweeney			
DX-4535	Presentation titled "iPad Household Dynamics: Apple Market Research and Analysis," May 2014	Schiller; Malackowski		802; 602	
DX-4536	Apple, "Apple Presents iPhone 4," June 7, 2010, available at https://www.apple.com/newsroom/2010/06/07Apple-Presents-iPhone-4/	Malackowski; Cook		802; 602	
DX-4537	Chart titled "Tinder - Information Requests"	Ong		802; 1002	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4538	Xbox, "Xbox Live Gold," available at https://www.xbox.com/en-US/live/gold	Hitt; Wright		602	
DX-4539	Unity, "Unity Platform," available at https://unity.com/products/unity-platform	Hitt		802; 602	
DX-4540	Apple, "Haiku Article Preview – About the security content of Xcode 9," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/032/208103.html?cq_ck=1612508665789	Schiller; Federighi		802; 602	
DX-4541	8/30/2018 email regarding "Re: Apple 30% At Risk_8.15.2018.pdf"	Grant; Sweeney		106	
DX-4542	Denise DiMeglio, "Press Release Wireless Service and Cellular Telephones 2019-2020," ACSI, May 19, 2020, available at https://www.theacsi.org/news-and-resources/press-releases/press-2020/press-release-wireless-service-and-cellular-telephones-2019-2020	Rubin	X		
DX-4543	Epic structured data	Sweeney			
DX-4544	Document titled "Epic Games - January 2020 Business Report"	Babcock			
DX-4545	Presentation titled "Getting the Most Out of App Analytics – iTunes Connect – Session 303"	Schiller; Fischer; Kosmyinka; Haun; Pruden		802; 602	
DX-4546	10/17/2018 email regarding "Re: Your app, Fortnite, may be featured on the App Store."	Hutcheson		802; 602	
DX-4547	8/13/2020 email regarding "Re: this is brilliant legal move..."	Sweeney		802	
DX-4548	Document titled "Transcription of Apple Inc. WWDC, Moscone Center, San Francisco Keynote, June 2, 2014"	Cook; Federighi; Schiller		802	
DX-4549	Roger Fingas, "Apple announces it will offer App Store subscriptions to all apps, take smaller 15% cut," Apple Insider, June 8, 2016, available at https://appleinsider.com/articles/16/06/08/apple-announces-it-will-offer-app-store-subscriptions-take-smaller-15-cut	Rubinfeld		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4550	Apple, "Certificates – Support – Apple Developer," available at https://developer.apple.com/support/certificates/	Schiller; Federighi; Rubin		802; 602	
DX-4551	Document titled "iOS Security, iOS 10," March 2017	Schiller; Federighi		802; 602	
DX-4552	Amazon, "Amazon.com: Roblox: Appstore for Android," available at https://www.amazon.com/Roblox-Corporation/dp/B00NUF4YOA	Hitt		802; 602	
DX-4553	Apple, "Apple Launches Subscriptions on the App Store," February 15, 2011, available at https://www.apple.com/newsroom/2011/02/15Apple-Launches-Subscriptions-on-the-App-Store/	Schiller; Cook; Fischer; Kosmyinka; Haun; Pruden		802; 602	
DX-4554	Presentation titled "Dubit Guide to Roblox for Brands," 2020, available at https://docsend.com/view/yytafca42a83pbgq	Hitt		802; 602	
DX-4555	3/15/2013 email regarding "Re: Nearly 35% Of Android Apps In China Secretly Steal User Data, Another Sign Of Google's Lack Of Control TechCrunch"	Fischer; Rubin		802; 602	
DX-4556	3/3/2011 email regarding "Re: Final Cut Store requirements"	Haun; Federighi		802	
DX-4557	Apple, "Multipeer Connectivity," available at https://developer.apple.com/documentation/multipeerconnectivity	Malackowski; Haun; Federighi; Schiller		802; 602	
DX-4558	Netflix, Inc., Form 10-K for the fiscal year ended December 31, 2019, filed on January 29, 2020	Hitt		602	
DX-4559	Apple Inc. FQ4 2010 Earnings Call Transcript, October 18, 2010	Malackowski; Cook		802; 602	
DX-4560	Apple, "App Store Preview: Subway Surfers," available at https://apps.apple.com/us/app/subway-surfers/id512939461	Schiller; Fischer		802; 602	
DX-4561	Presentation titled "Project Liberty Update," dated July 1, 2020	Nikdel; Grant		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4562	3/29/2011 email regarding "Amazon Apps :: Competitive Analysis"	Schiller; Fischer; Pruden		802	
DX-4563	9/18/2017 email regarding "Fwd: Fortnite Battle Royale Cross-Play"	Kreiner			
DX-4564	Apple, "App security overview for iOS and iPadOS," available at https://support.apple.com/guide/security/app-security-overview-secf49cad4db/1/web/1	Fischer; Friedman; Schiller; Malackowski		802; 602	
DX-4565	Apple, "Apple's Mac OS X to Ship on March 24," January 9, 2001, available at https://www.apple.com/newsroom/2001/01/09Apples-Mac-OS-X-to-Ship-on-March-24/	Malackowski; Schiller		802; 602	
DX-4566	Open letter from Steve Jobs re SDK	Schiller		802; 602	
DX-4567	9/26/2019 email regarding "RE: Fortnite NVIDIA New Opportunities"	Sweeney; Weissinger; Hitt		802; 602	
DX-4568	Presentation titled "Epic by Greenbrier - Project Liberty Campaign Strategy"	Weissinger			
DX-4569	Apple, "Sample Code," available at https://developer.apple.com/wwdc20/sample-code/	Malackowski; Federighi		802; 602	
DX-4570	Apple, "SiriKit," available at https://developer.apple.com/documentation/sirikit	Malackowski; Haun; Federighi; Schiller		802; 602	
DX-4571	Fortnite Team, "Apple Ending Fortnite Save the World Updates for Mac," Epic, Sept. 16, 2020	Vogel; Sweeney		602	
DX-4572	Apple Developer, "Game Center," available at https://developer.apple.com/game-center	Schiller; Fischer; Haun		802; 602	
DX-4573	Apple, "Identifiers," available at https://developer.apple.com/account/resources/identifiers/list	Malackowski; Federighi; Fischer		802; 602	
DX-4574	Agreement titled "Apple Developers Program License Agreement"	Schiller; Cook; Fischer; Kosmynka		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4575	1/31/2019 email regarding "Re: Apple 30% At Risk 8.15.2018.pdf"	Sweeney; Grant		802	
DX-4576	Agreement titled "Apple Developer Enterprise Program License Agreement"	Schiller; Cook; Fischer; Kosmyinka			
DX-4577	Epic Games, "About Epic Games," available at https://www.epicgames.com/site/en-US/about	Lafontaine; Sweeney		602	
DX-4578	Apple, "iPhone at ten: the revolution continues," January 8, 2017, available at https://www.apple.com/newsroom/2017/01/ip-hone-at-ten-the-revolution-continues/	Schiller		802; 602	
DX-4579	8/5/2020 email regarding "Subscription-free multiplayer"	Sweeney			
DX-4580	Agreement titled "iOS Developer Program Enterprise License Agreement"	Schiller; Cook; Fischer; Kosmyinka			
DX-4581	Apple Inc., Form 10-K for fiscal year ended September 26, 2020, filed on October 30, 2020	Malackowski; Schmalensee; Hitt; Lafontaine; Rubinfeld; Cook; Schiller; Fischer		602	
DX-4582	Apple, "Haiku Article Preview – Apple security updates (2011,2012)," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/018/204611.html?cq_ck=1612525508807	Schiller; Federighi		802; 602	
DX-4583	Twitter, "Andrew Grant Tweet," February 5, 2017	Grant			
DX-4584	5/25/2010 email regarding "Re: App Store stats"	Malackowski			
DX-4585	Apple Developer, "Protecting the User's Privacy," available at https://developer.apple.com/documentation/ui-kit/protecting_the_user_s_privacy	Schiller; Federighi		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4586	U.S. Patent Pub. No. 2018/0349890	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-4587	Document titled "Epic Games - October Business Report"	Babcock			
DX-4588	Google Stadia, "About Stadia," available at https://stadia.google.com/	Hitt; Google custodian		602	
DX-4589	Document Titled "Schedule 2 v10," April 1, 2014	Schiller; Cook; Fischer; Kosmynka		602	
DX-4590	Apple, "Haiku Article Preview – Apple security updates (2015)," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/037/209441.html?cq_ck=1612525432077	Schiller; Federighi		802; 602	
DX-4591	Apple Event, WWDC 2018, video and transcript (Apple intends to show portions of the video corresponding to the following portions of the transcript: 2:7-8; 2:21-4:1; 6:9-16; 6:24-7:19; 97:18-100:23)	Cook; Federighi; Schiller		802	
DX-4592	7/14/2020 email regarding "Re: payment processing security audit"	Vogel; Ko			
DX-4593	Presentation titled "App Store"	Schiller; Cook; Fischer; Kosmynka		802; 602	
DX-4594	Apple Inc. Form 10-K for the fiscal year ending September 27, 2014	Malackowski; Schmalensee; Hitt; Lafontaine; Rubinfeld; Cook; Schiller; Fischer		602	
DX-4595	U.S. Patent No. 8.849,717	Malackowski; Schiller; Federighi; Kosmynka		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4596	Apple, "Haiku Article Preview – Face ID & Privacy," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/046/212036.html?cq_ck=1612519430459	Schiller; Federighi		802; 602	
DX-4597	Android, "Phones & Tablets – If you want it, Android powers it.," available at https://www.android.com/phones-tablets/	Malackowski; Google custodian		802; 602	
DX-4598	Article titled "Epic Games: Why cross-play matters"	Sweeney		802; 602	
DX-4599	Xbox, "Xbox Game Pass," available at https://www.xbox.com/en-US/xbox-game-pass	Hitt; Wright		602	
DX-4600	Apple Inc., SEC Form 2019 10-K for period ended September 28, 2019, filed on October 31, 2019	Malackowski; Schmalensee; Hitt; Lafontaine; Rubinfeld; Cook; Schiller; Fischer		602	
DX-4601	Apple Developer, "Auto-renewable Subscriptions," available at https://developer.apple.com/app-store/subscriptions/	Schiller; Fischer; Haun		802; 602	
DX-4602	Apple, "MapKit," available at https://developer.apple.com/documentation/mapkit?language=occ	Malackowski; Federighi; Haun		802; 602	
DX-4603	9/22/2018 email regarding "iOS Featuring"	Hutcheson			
DX-4604	Apple, "System Configuration," available at https://developer.apple.com/documentation/systemconfiguration	Malackowski; Haun; Federighi		802; 602	
DX-4605	Patently Apple, "About/Contact Us," available at https://www.patentlyapple.com/patently-apple/contact-us.html	Malackowski		802; 602	
DX-4606	2/22/2019 email regarding "Epic Games – January 2019 Business Report"	Sweeney; Babcock			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4607	6/24/2020 email regarding "Re: Sustained Release Planning - Input Needed"	Grant			
DX-4608	Document titled "Transcript of Apple Inc. Keynote September 9, 2009"	Schiller; Cook; Federighi		802; 602	
DX-4609	4/10/2018 email regarding "Re: "AmpLight2FA""	Friedman		802	
DX-4610	U.S. Patent No. 10,762,716	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-4611	Spreadsheet titled "Apple Inc. US Sales, iPhone, iPad, and iPod Touch, Q4FY2008-Q4FY2019"	Cook; Rubinfeld; Malackowski		602	
DX-4612	Epic Games, "Epic Online Services Acceptable Use Policy," available at http://dev.epicgames.com/en-US/services/terms/aup	Sweeney; Malackowski		602	
DX-4613	6/2/2016 email regarding "'Where's the App for That?'" – Fixing App Store Discovery – MacStories"	Schiller; Fischer; Malackowski			
DX-4614	Apple, "Choosing a Business Model," available at https://developer.apple.com/app-store/business-models/	Schiller; Schmalensee		802; 602	
DX-4615	Apple, "Haiku – Article Preview – About the App Store," available at https://accp.corp.apple.com/content/haiku/article/en_US/KBase/017/204266.html?cq_ck=1612587730051	Schiller; Federighi		802; 602	
DX-4616	Document titled "How to "sideload" on iOS"	Grant; Rubin; Vogel		602	
DX-4617	Epic Games, "V-Bucks Card FAQs," available at https://www.epicgames.com/fortnite/en-US/vbuckscard	Hitt; Sweeney		602	
DX-4618	8/10/2020 email regarding "Re: Liberty Marketing Plan Follow-up"	Sweeney; Weissinger			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4619	Apple Inc. Form 10-K for the fiscal year ending September 26, 2020	Malackowski; Schmalensee; Hitt; Lafontaine; Rubinfeld; Cook; Schiller; Fischer		602	
DX-4620	4/12/2010 email regarding "Fwd: The Platform Purification Directive :-)"	Hitt; Haun; Pruden		802; 602	
DX-4621	Apple, "Adopting Menus and UIActions in your User Interface," available at https://developer.apple.com/documentation/ui-kit/menus_and_shortcuts/adopting_menus_and_uiactions_in_your_user_interface	Schiller; Malackowski		802; 602	
DX-4622	U.S. Patent No. 10,586,260	Malackowski		602	
DX-4623	Agreement titled "Apple Developer Program License Agreement"	Schiller; Cook; Fischer; Kosmyinka; Rubinfeld; Schmalensee; Lafontaine		602	
DX-4624	Moby Games, "Epic Games, Inc." available at https://www.mobygames.com/company/epic-games-inc	Malackowski		802; 602	
DX-4625	Apple, "App Store Preview: The Weather Channel," available at https://apps.apple.com/us/app/weather-the-weather-channel/id295646461	Schiller; Fischer		802; 602	
DX-4626	Presentation titled "iPhone Developer Program Satisfaction Survey," dated March, 2010	Schmalensee; Schiller; Cook; Fischer; Kosmyinka; Pruden		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4627	U.S. Patent No. 8,484,100	Malackowski; Schiller; Federighi; Kosmynka		602	
DX-4628	Apple, "CloudKit," available at https://developer.apple.com/documentation/cloudkit	Malackowski; Federighi; Haun		802; 602	
DX-4629	Geoff Duncan, "Apple Confirms iPhone SDK Coming Next Year," Digitaltrends, October 17, 2007, available at https://www.digitaltrends.com/apple/apple-confirms-iphone-sdk-coming-next-year/	Malackowski; Federighi		802; 602	
DX-4630	Red Hat, "What is an SDK?," available at https://www.redhat.com/en/topics/cloud-native-apps/what-is-SDK.2	Malackowski; Federighi		802; 602	
DX-4631	Simon Hill and Mark Jansen, "Android vs iOS: Which smartphone platform is the best?," Digitaltrends, January 16, 2021, available at https://www.digitaltrends.com/mobile/android-vs-ios/	Rubin	X		
DX-4632	Presentation titled "App Store Pricing, Decisions, Expanded Price Points for Subscriptions"	Schiller; Cook; Fischer; Kosmynka; Gray			
DX-4633	5/2/2019 email regarding "RE: Epic Board Report 2Q19 and 2018 Annual Audited Financial Statements(Internet mail)"	Sweeney			
DX-4634	Amazon, "Games," available at https://www.amazon.com/b?ie=UTF8&node=2478844011	Hitt		802; 602	
DX-4635	Unity, "Industry-leading Multiplatform Support – Build once, deploy anywhere" available at https://unity.com/features/multiplatform	Hitt		802; 602	
DX-4636	Apple, "Developers say App Store Small Business Program is good for business,"	Schiller; Cook; Fischer; Kosmynka		802; 602; Illegible	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4637	Thomas Brewster, "How Lenovo's Superfish 'Malware' Works And What You Can Do to Kill It," Forbes.com, February 19, 2015, available at https://www.forbes.com/sites/thomasbrewster/2015/02/19/superfish-need-to-know/?sh=468399c13877	Rubin	X		
DX-4638	8/3/2019 email regarding "Re: Secret announcement draft we're NOT publishing"	Sweeney; Hutcheson; Allison; Kreiner			
DX-4639	4/27/2020 email regarding "Mobile Payment Strategies"	Sweeney; Ko			
DX-4640	Apple, "Apple Differential Privacy Overview Whitepaper," available at https://www.apple.com/privacy/docs/Differential_Privacy_Overview.pdf	Schiller; Federighi; Rubin		802; 602	
DX-4641	Spreadsheet, file name "MAU 2015-2020 by platform_os.xlsx"	Hitt		602	
DX-4642	Apple, "iPad Arrives This Saturday," March 29, 2010, available at https://www.apple.com/newsroom/2010/03/29iPad-Arrives-This-Saturday/	Rubinfeld; Schiller		802; 602	
DX-4643	1/24/2018 email regarding Upcoming Epic title on iOS	Penwarden			
DX-4644	6/10/2020 email regarding "Project Liberty Call"	Sweeney		602	
DX-4645	5/27/2019 email regarding "Re: EGs Mega Sale Marketing Campaign Update - 5/22"	Sweeney; Hutcheson; Allison			
DX-4646	Epic Games, "About Epic Games," available at https://www.epicgames.com/site/en-US/about	Sweeney; Malackowski		602; Illegible	
DX-4647	Presentation titled "Staging - PR Strategy, Coms Push, etc.," dated July 22, 2020	Sweeney; Weissinger; Rein			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4648	Samsung, "What are the new Preloaded applications that are provided in Tizen based Smartphones?," October 14, 2020, available at https://www.samsung.com/in/support/mobile-devices/what-are-the-new-preloaded-applications-that-are-provided-in-tizen-based-smartphones/	Rubin		802; 901; 602	
DX-4649	Document titled "Update to In-App Purchase Programming Guide – Update Release R3: Includes information about managing in-app subscriptions"	Schiller; Fischer; Kosmyinka; Gray; Malackowski			
DX-4650	U.S. Patent No. 10,194,288	Malackowski; Schiller; Federighi; Kosmyinka		602	
DX-4651	5/23/2019 email regarding "Board Requested Engine Material"	Sweeney			
DX-4652	Document titled "Liberty Console Partner Communications (Speculative/Hypothetical)"	Shobin; Weissinger			
DX-4653	Dean Takahashi, "Graphics guru Tim Sweeney explains why Apple's Metal will make mobile games far better," Venturebeat, June 3, 2014, available at https://venturebeat.com/2014/06/03/graphics-guru-tim-sweeney-explains-why-apples-metal-will-make-games-run-10-times-more-efficiently/	Sweeney		802; 602	
DX-4654	Presentation titled "Monetize and Promote Your App with iAd from design to launch – Session 503 – WWDC15"	Schiller; Fischer; Grimm; Kosmyinka; Pruden		802; 602	
DX-4655	3/1/2019 email regarding "Re: Russian players ISSUE and are bombarding us with refund requests"	Sweeney; Allison			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4656	Fireeye, "Advanced Persistent Threat Groups – Who's who of Cyber Threat Actors," available at https://www.fireeye.com/current-threats/apt-groups.html	Rubin		802; 602	
DX-4657	11/6/2018 email regarding struggles with refunds for double purchases	Vogel; Sweeney; Kreiner		802	
DX-4658	Document titled "Transcription of Apple Inc. WWDC 2009 – San Francisco Keynote"	Cook; Federighi; Schiller		802; 602	
DX-4659	Presentation titled "Fortnite Battle Royale iOS + Android Go To Market Plan"	Sweeney		602; Illegible	
DX-4660	11/13/2018 email regarding "Re: Information on Gifting in Fortnite"	Hutcheson; Grimm; Schmid		802	
DX-4661	Hanssens Expert Report - Figure 1 - Other Electronic Devices Used by iOS App Store Users	Hanssens		802	
DX-4662	Hanssens Expert Report - Figure 2 - Other Electronic Devices Used by iOS Fortnite Players	Hanssens		802	
DX-4663	Hanssens Expert Report - Figure 3 -Other Electronic Devices iOS Fortnite Players Used to Play Games	Hanssens		802	
DX-4664	Hanssens Expert Report - Figure 4 - Data Collection Questions	Hanssens		802	
DX-4665	Hanssens Expert Report - Figure 5 - Rossi Survey Revision Process	Hanssens		802	
DX-4666	Hanssens Expert Report - Figure 6	Hanssens	X		
DX-4667	Hanssens Expert Report - Figure 7	Hanssens	X		
DX-4668	Hanssens Expert Report - Figure 8	Hanssens		802	
DX-4669	Hanssens Expert Report - Figure 9	Hanssens		802	
DX-4670	10 - Hanssens Expert Report - Figure 10.pdf	Hanssens		802	
DX-4671	11 - Hanssens Expert Report - Figure 11.pdf	Hanssens		802	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4672	12 - Hanssens Expert Report - Figure 12.pdf	Hanssens		802	
DX-4673	13 - Hanssens Expert Report - Figure 13.pdf	Hanssens		802	
DX-4674	14 - Hanssens Expert Report - Figure 14.pdf	Hanssens		802	
DX-4675	15 - Hanssens Expert Report - Figure 15.pdf	Hanssens		802	
DX-4676	16 - Hanssens Expert Report - Figure 16.pdf	Hanssens	X		
DX-4677	Hanssens Expert Report - Appendix D-2.pdf	Hanssens		802	
DX-4678	Hanssens Expert Report - Appendix E-2.pdf	Hanssens		802	
DX-4679	Hanssens Expert Report - Appendix F-1.pdf	Hanssens		802	
DX-4680	Hanssens Expert Report - Appendix F-2.pdf	Hanssens		802	
DX-4681	Hanssens Expert Report - Appendix G-1 (A-1) .pdf	Hanssens	X		
DX-4682	Hanssens Expert Report - Appendix G-1 (A-2) .pdf	Hanssens	X		
DX-4683	Hanssens Expert Report - Appendix G-1 (A-3) .pdf	Hanssens	X		
DX-4684	Hanssens Expert Report - Appendix G-1 (B).pdf	Hanssens	X		
DX-4685	Hanssens Expert Report - Appendix G-1 (B-2).pdf	Hanssens	X		
DX-4686	Hanssens Expert Report - Appendix G-1 (B-3).pdf	Hanssens	X		
DX-4687	Hanssens Expert Report - Appendix G-1 (C).pdf	Hanssens	X		
DX-4688	Hanssens Expert Report - Appendix G-1 (C-1).pdf	Hanssens	X		
DX-4689	Hanssens Expert Report - Appendix G-1 (C-2).pdf	Hanssens	X		
DX-4690	Hanssens Expert Report - Appendix G-2 (1).pdf	Hanssens	X		
DX-4691	Hanssens Expert Report - Appendix G-2 (10).pdf	Hanssens	X		
DX-4692	Hanssens Expert Report - Appendix G-2 (11).pdf	Hanssens	X		

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4693	Hanssens Expert Report - Appendix G-2 (12).pdf	Hanssens	X		
DX-4694	Hanssens Expert Report - Appendix G-2 (13).pdf	Hanssens	X		
DX-4695	Hanssens Expert Report - Appendix G-2 (14).pdf	Hanssens	X		
DX-4696	Hanssens Expert Report - Appendix G-2 (15).pdf	Hanssens	X		
DX-4697	Hanssens Expert Report - Appendix G-2 (16).pdf	Hanssens	X		
DX-4698	Hanssens Expert Report - Appendix G-2 (17).pdf	Hanssens	X		
DX-4699	Hanssens Expert Report - Appendix G-2 (18).pdf	Hanssens	X		
DX-4700	Hanssens Expert Report - Appendix G-2 (19).pdf	Hanssens	X		
DX-4701	Hanssens Expert Report - Appendix G-2 (2).pdf	Hanssens	X		
DX-4702	Hanssens Expert Report - Appendix G-2 (20).pdf	Hanssens	X		
DX-4703	Hanssens Expert Report - Appendix G-2 (21).pdf	Hanssens	X		
DX-4704	Hanssens Expert Report - Appendix G-2 (22).pdf	Hanssens	X		
DX-4705	Hanssens Expert Report - Appendix G-2 (23).pdf	Hanssens	X		
DX-4706	Hanssens Expert Report - Appendix G-2 (3).pdf	Hanssens	X		
DX-4707	Hanssens Expert Report - Appendix G-2 (4).pdf	Hanssens	X		
DX-4708	Hanssens Expert Report - Appendix G-2 (5).pdf	Hanssens	X		
DX-4709	Hanssens Expert Report - Appendix G-2 (6).pdf	Hanssens	X		
DX-4710	Hanssens Expert Report - Appendix G-2 (7).pdf	Hanssens	X		
DX-4711	Hanssens Expert Report - Appendix G-2 (8).pdf	Hanssens	X		
DX-4712	Hanssens Expert Report - Appendix G-2 (9).pdf	Hanssens	X		
DX-4713	Hanssens Expert Report - Appendix H.pdf	Hanssens		802	

Apple Inc.'s Trial Exhibit List

Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4714	Dominique Hanssens Opening Expert Report - Appendix J-1 - Other Electronic Devices Used by iOS App Store Users - All Qualified Respondents	Hanssens		802	
DX-4715	Dominique Hanssens Opening Expert Report - Appendix J-2 - Other Electronic Devices Used by iOS App Store Users - Respondents Who Paid to Download Apps	Hanssens		802	
DX-4716	Dominique Hanssens Opening Expert Report - Appendix J-3 - Other Electronic Devices Used by iOS App Store Users - Respondents Who Made In-App Purchases	Hanssens		802	
DX-4717	Hanssens Expert Report Appendix K-1 (1).pdf	Hanssens	X		
DX-4718	Hanssens Expert Report Appendix K-1 (2).pdf	Hanssens	X		
DX-4719	Hanssens Expert Report Appendix K-1 (3).pdf	Hanssens	X		
DX-4720	Hanssens Expert Report Appendix K-1 (4).pdf	Hanssens	X		
DX-4721	Hanssens Expert Report Appendix K-1 (5).pdf	Hanssens	X		
DX-4722	Hanssens Expert Report Appendix K-1 (6).pdf	Hanssens	X		
DX-4723	Hanssens Expert Report Appendix K-1 (7).pdf	Hanssens	X		
DX-4724	Hanssens Expert Report Appendix K-1 (8).pdf	Hanssens	X		
DX-4725	Hanssens Expert Report Appendix K-1 (9).pdf	Hanssens	X		
DX-4726	Hanssens Expert Report Appendix K-2 (1).pdf	Hanssens	X		
DX-4727	Hanssens Expert Report Appendix K-2 (10).pdf	Hanssens	X		
DX-4728	Hanssens Expert Report Appendix K-2 (11).pdf	Hanssens	X		
DX-4729	Hanssens Expert Report Appendix K-2 (12).pdf	Hanssens	X		
DX-4730	Hanssens Expert Report Appendix K-2 (13).pdf	Hanssens	X		
DX-4731	Hanssens Expert Report Appendix K-2 (14).pdf	Hanssens	X		

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4732	Hanssens Expert Report Appendix K-2 (15).pdf	Hanssens	X		
DX-4733	Hanssens Expert Report Appendix K-2 (16).pdf	Hanssens	X		
DX-4734	Hanssens Expert Report Appendix K-2 (17).pdf	Hanssens	X		
DX-4735	Hanssens Expert Report Appendix K-2 (18).pdf	Hanssens	X		
DX-4736	Hanssens Expert Report Appendix K-2 (19).pdf	Hanssens	X		
DX-4737	Hanssens Expert Report Appendix K-2 (2).pdf	Hanssens	X		
DX-4738	Hanssens Expert Report Appendix K-2 (20).pdf	Hanssens	X		
DX-4739	Hanssens Expert Report Appendix K-2 (21).pdf	Hanssens	X		
DX-4740	Hanssens Expert Report Appendix K-2 (22).pdf	Hanssens	X		
DX-4741	Hanssens Expert Report Appendix K-2 (23).pdf	Hanssens	X		
DX-4742	Hanssens Expert Report Appendix K-2 (24).pdf	Hanssens	X		
DX-4743	Hanssens Expert Report Appendix K-2 (25).pdf	Hanssens	X		
DX-4744	Hanssens Expert Report Appendix K-2 (26).pdf	Hanssens	X		
DX-4745	Hanssens Expert Report Appendix K-2 (27).pdf	Hanssens	X		
DX-4746	Hanssens Expert Report Appendix K-2 (3).pdf	Hanssens	X		
DX-4747	Hanssens Expert Report Appendix K-2 (4).pdf	Hanssens	X		
DX-4748	Hanssens Expert Report Appendix K-2 (5).pdf	Hanssens	X		
DX-4749	Hanssens Expert Report Appendix K-2 (6).pdf	Hanssens	X		
DX-4750	Hanssens Expert Report Appendix K-2 (7).pdf	Hanssens	X		
DX-4751	Hanssens Expert Report Appendix K-2 (8).pdf	Hanssens	X		
DX-4752	Hanssens Expert Report Appendix K-2 (9).pdf	Hanssens	X		

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4753	Dominique Hanssens Opening Expert Report - Appendix L - Survey Completion and Incidence Rates - iOS Fortnite Survey	Hanssens		802	
DX-4754	Dominique Hanssens Opening Expert Report - Appendix M-1 - Other Electronic Devices Used by iOS Fortnite Players - All Qualified Respondents	Hanssens		802	
DX-4755	Dominique Hanssens Opening Expert Report - Appendix M-2 - Other Electronic Devices Used by iOS Fortnite Players - Respondents Who Made In-App Purchases in Fortnite	Hanssens		802	
DX-4756	Dominique Hanssens Opening Expert Report - Appendix M-3 - Other Electronic Devices iOS Fortnite Players - Used to Play Games - Respondents Who Made In-App Purchases in Fortnite	Hanssens		802	
DX-4757	Hitt Rebuttal Report - Exhibit 01.pdf	Hitt		802	
DX-4758	Hitt Rebuttal Report - Exhibit 02.pdf	Hitt		802	
DX-4759	Hitt Rebuttal Report - Exhibit 03.pdf	Hitt		802	
DX-4760	Hitt Rebuttal Report - Exhibit 04.pdf	Hitt		802	
DX-4761	Hitt Rebuttal Report - Exhibit 05.pdf	Hitt		802	
DX-4762	Hitt Rebuttal Report - Exhibit 06.pdf	Hitt		802	
DX-4763	Hitt Rebuttal Report - Exhibit 07.pdf	Hitt		802	
DX-4764	Hitt Rebuttal Report - Exhibit 08.pdf	Hitt		802	
DX-4765	Hitt Rebuttal Report - Exhibit 09.pdf	Hitt		802	
DX-4766	Hitt Rebuttal Report - Exhibit 10.pdf	Hitt		802	
DX-4767	Hitt Rebuttal Report - Exhibit 11.pdf	Hitt		802	
DX-4768	Hitt Rebuttal Report - Exhibit 12.pdf	Hitt		802	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4769	Hitt Rebuttal Report - Exhibit 13.pdf	Hitt		802	
DX-4770	Hitt Rebuttal Report - Exhibit 14.pdf	Hitt		802	
DX-4771	Hitt Rebuttal Report - Exhibit 15.pdf	Hitt		802	
DX-4772	Hitt Rebuttal Report - Exhibit 16.pdf	Hitt		802	
DX-4773	Hitt Rebuttal Report - Exhibit 17.pdf	Hitt		802	
DX-4774	Hitt Rebuttal Report - Exhibit 18.pdf	Hitt		802	
DX-4775	Hitt Rebuttal Report - Exhibit 19.pdf	Hitt		802	
DX-4776	Hitt Rebuttal Report - Exhibit 20.pdf	Hitt		802	
DX-4777	Hitt Rebuttal Report - Exhibit 21.pdf	Hitt		802	
DX-4778	Hitt Rebuttal Report - Exhibit 22.pdf	Hitt		802	
DX-4779	Hitt Rebuttal Report - Exhibit 23.pdf	Hitt		802	
DX-4780	Hitt Rebuttal Report - Exhibit 24.pdf	Hitt		802	
DX-4781	Hitt Rebuttal Report - Exhibit 25.pdf	Hitt		802	
DX-4782	Hitt Rebuttal Report - Exhibit 26.pdf	Hitt		802	
DX-4783	Hitt Rebuttal Report - Exhibit 27.pdf	Hitt		802	
DX-4784	Hitt Rebuttal Report - Exhibit 28.pdf	Hitt		802	
DX-4785	Hitt Rebuttal Report - Exhibit 29.pdf	Hitt		802	
DX-4786	Hitt Rebuttal Report - Exhibit 30.pdf	Hitt		802	
DX-4787	Hitt Rebuttal Report - Exhibit 31.pdf	Hitt		802	
DX-4788	Hitt Rebuttal Report - Exhibit 32.pdf	Hitt		802	
DX-4789	Hitt Rebuttal Report - Exhibit 33.pdf	Hitt		802	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4790	Hitt Rebuttal Report - Exhibit 34.pdf	Hitt		802	
DX-4791	Hitt Rebuttal Report - Exhibit 35.pdf	Hitt		802	
DX-4792	Hitt Rebuttal Report - Exhibit 36.pdf	Hitt		802	
DX-4793	Hitt Rebuttal Report - Exhibit 37.pdf	Hitt		802	
DX-4794	Hitt Rebuttal Report - Exhibit 38.pdf	Hitt		802	
DX-4795	Hitt Rebuttal Report - Exhibit 39.pdf	Hitt		802	
DX-4796	Hitt Rebuttal Report - Exhibit 40.pdf	Hitt		802	
DX-4797	Hitt Rebuttal Report - Exhibit 41.pdf	Hitt		802	
DX-4798	Hitt Rebuttal Report - Exhibit 42.pdf	Hitt		802	
DX-4799	Hitt Rebuttal Report - Exhibit 43.pdf	Hitt		802	
DX-4800	Hitt Rebuttal Report - Exhibit 44.pdf	Hitt		802	
DX-4801	Hitt Rebuttal Report - Exhibit 45.pdf	Hitt		802	
DX-4802	Hitt Rebuttal Report - Exhibit 46.pdf	Hitt		802	
DX-4803	Hitt Rebuttal Report - Exhibit 47.pdf	Hitt		802	
DX-4804	Hitt Rebuttal Report - Exhibit 48.pdf	Hitt		802	
DX-4805	Hitt Rebuttal Report - Exhibit 49.pdf	Hitt		802	
DX-4806	Hitt Rebuttal Report - Exhibit 50.pdf	Hitt		802	
DX-4807	Hitt Rebuttal Report - Exhibit 51.pdf	Hitt		802	
DX-4808	Hitt Rebuttal Report - Exhibit 52.pdf	Hitt		802	
DX-4809	Hitt Rebuttal Report - Exhibit 53.pdf	Hitt		802	
DX-4810	Hitt Rebuttal Report - Exhibit 54.pdf	Hitt		802	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4811	Hitt Rebuttal Report - Exhibit 55.pdf	Hitt		802	
DX-4812	Hitt Rebuttal Report - Exhibit 56.pdf	Hitt		802	
DX-4813	Hitt Rebuttal Report - Exhibit 57.pdf	Hitt		802	
DX-4814	Hitt Rebuttal Report - Exhibit 58.pdf	Hitt		802	
DX-4815	Hitt Rebuttal Report - Exhibit 59.pdf	Hitt		802	
DX-4816	Hitt Rebuttal Report - Exhibit 60.pdf	Hitt		802	
DX-4817	Hitt Rebuttal Report - Exhibit 61.pdf	Hitt		802	
DX-4818	Hitt Rebuttal Report - Exhibit 62.pdf	Hitt		802	
DX-4819	Hitt Rebuttal Report - Exhibit 63.pdf	Hitt		802	
DX-4820	Hitt Rebuttal Report - Exhibit 64.pdf	Hitt		802	
DX-4821	Hitt Rebuttal Report - Exhibit 65.pdf	Hitt		802	
DX-4822	Hitt Appendix G - Exhibit 1.pdf	Hitt		802	
DX-4823	Hitt Appendix G - Exhibit 2.pdf	Hitt		802	
DX-4824	Hitt Supplement to Rebuttal Expert Report - Exhibit 1.pdf	Hitt		802	
DX-4825	Hitt Supplement to Rebuttal Expert Report - Exhibit 2.pdf	Hitt		802	
DX-4826	Hitt Supplement to Rebuttal Expert Report - Exhibit 3.pdf	Hitt		802	
DX-4827	Hitt Supplement to Rebuttal Expert Report - Exhibit 4.pdf	Hitt		802	
DX-4828	Hitt Supplement to Rebuttal Expert Report - Exhibit 5.pdf	Hitt		802	
DX-4829	Hitt Supplement to Rebuttal Expert Report - Exhibit 6.pdf	Hitt		802	
DX-4830	Hitt Supplement to Rebuttal Expert Report - Exhibit 7.pdf	Hitt		802	
DX-4831	Hitt Supplement to Rebuttal Expert Report - Exhibit 8.pdf	Hitt		802	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4832	Hitt Supplement to Rebuttal Expert Report - Exhibit 9.pdf	Hitt		802	
DX-4833	Hitt Supplement to Rebuttal Expert Report - Exhibit 10.pdf	Hitt		802	
DX-4834	Malackowski - Figure 1_ Apple R&D Expenditures and Patent Grants 2005 – 2020.pdf	Malackowski		802	
DX-4835	Malackowski - Figure 2_ Steve Jobs Introduces the “Patented!” iPhone.pdf	Malackowski		802	
DX-4836	Malackowski - Figure 3_ Apple Research and Development Expenditures FY 2005 – FY 2020.pdf	Malackowski		802	
DX-4837	Malackowski - Figure 4_ Apple Granted U.S. Patents and Applications 2005 – 2020.pdf	Malackowski		802	
DX-4838	Malackowski - Figure 5_ U.S. Apple Patents and Applications.pdf	Malackowski		802	
DX-4839	Malackowski - Figure 6_ Steve Jobs Introduces the iPhone – Three Revolutionary Devices in One.pdf	Malackowski		802	
DX-4840	Malackowski - Figure 7_ Worldwide Smartphone Sales and Users 2007 - 2021.pdf	Malackowski		802	
DX-4841	Malackowski - Figure 8_ App Store Applications and Downloads.pdf	Malackowski		802	
DX-4842	Malackowski - Figure 9_ Example Apple License with Copyright.pdf	Malackowski		802	
DX-4843	Malackowski - Figure 10_ Scott Forstall Introduced Cocoa Touch with SDK in 2008.pdf	Malackowski		802	
DX-4844	Malackowski - Figure 11_ Spore App - 2008.pdf	Malackowski		802	
DX-4845	Malackowski - Figure 12_ Guitar Hero App - 2010.pdf	Malackowski		802	
DX-4846	Malackowski - Figure 13_ Super Monkey Ball App - 2008.pdf	Malackowski		802	
DX-4847	Malackowski - Figure 14 Home Court Requires iPhone Hardware, Software and APIs - 2018.pdf	Malackowski		802	
DX-4848	Rubin Expert Reports -- 1 - Chart - Terms and Definitions.pdf	Rubin	X	802	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4849	Rubin Expert Reports -- 2 - Chart - Terms and Definitions 2.pdf	Rubin	X	802	
DX-4850	Rubin Expert Reports -- 3 - Diagram - uses for the different types of analysis.pdf	Rubin	X	802	
DX-4851	Rubin Expert Reports -- 4 - Figure 1-3 - Server product delivery.pdf	Rubin	X	802	
DX-4852	Rubin Expert Reports -- 5 - Figure 1-2 - Built-in product delivery.pdf	Rubin	X	802	
DX-4853	Rubin Expert Reports -- 6 - Chart - Number of CVE Entries.pdf	Rubin		802	
DX-4854	Rubinfeld Rebuttal Expert Report - Figure 1.pdf	Rubinfeld		802	
DX-4855	1 - Schmalensee Expert Report - Exhibit 1.pdf	Schmalensee		802	
DX-4856	2 - Schmalensee Expert Report - Exhibit 1.1.pdf	Schmalensee		802	
DX-4857	3 - Schmalensee Expert Report - Exhibit 1.2 .pdf	Schmalensee		802	
DX-4858	4 - Schmalensee Expert Report - Exhibit 1.3.pdf	Schmalensee		802	
DX-4859	5 - Schmalensee Rebuttal Expert Report - Exhibit 1.4.pdf	Schmalensee		802	
DX-4860	6 - Schmalensee Rebuttal Expert Report - Table 1.pdf	Schmalensee		802	
DX-4861	7 - Schmalensee Rebuttal Expert Report - Exhibit 2.pdf	Schmalensee		802	
DX-4862	Dominique Hanssens Opening Expert Report - Appendix A - Curriculum Vitae	Hanssens	X		
DX-4863	Dominique Hanssens Opening Expert Report - Appendix B - Testimony in the Past Four Years	Hanssens	X		
DX-4864	Dominique Hanssens Opening Expert Report - Appendix C - Documents Relied Upon	Hanssens	X		
DX-4865	Dominique Hanssens Opening Expert Report - Appendix D-1 - iOS App Survey Pretest Interview Questions	Hanssens		802	
DX-4866	Dominique Hanssens Opening Expert Report - Appendix D-2 - iOS App Survey: Summary of Pretest Interview Responses 02/01/21 - 02/02/21	Hanssens		802	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4867	Dominique Hanssens Opening Expert Report - Appendix E-1 - iOS Fortnite Survey Pretest Interview Questions	Hanssens		802	
DX-4868	Dominique Hanssens Opening Expert Report - Appendix E-2 - iOS Fortnite Survey: Summary of Pretest Interview Responses 2/2/2021	Hanssens		802	
DX-4869	Dominique Hanssens Opening Expert Report - Appendix F - Additional Details on Survey Methodology	Hanssens		802	
DX-4870	Dominique Hanssens Opening Expert Report - Appendix G-1 - iOS App Survey Instrument	Hanssens		802	
DX-4871	Dominique Hanssens Opening Expert Report - Appendix G-2 - Screenshots of iOS App Survey for iPhone and iPad Users - Introduction and Screener	Hanssens		802	
DX-4872	Dominique Hanssens Opening Expert Report - Appendix H - Survey Completion and Incidence Rates - iOS App Survey	Hanssens		802	
DX-4873	Dominique Hanssens Opening Expert Report - Appendix I - Panel Quality: Our Values - Answers to ESOMAR's 28 Questions	Hanssens		802	
DX-4874	Dominique Hanssens Opening Expert Report - Appendix K-1 - iOS Fortnite Survey Instrument	Hanssens		802	
DX-4875	Dominique Hanssens Opening Expert Report - Appendix K-2 - Screenshots of iOS Fortnite Survey for iPhone and iPad Users - Introduction and Screener	Hanssens		802	
DX-4876	James Malackowski Opening Expert Report - Appendix A - Curriculum Vitae	Malackowski	X		
DX-4877	James Malackowski Opening Expert Report - Appendix B - Information Considered	Malackowski	X		
DX-4878	James Malackowski Opening Expert Report - Appendix C - Apple U.S. Patents and Applications	Malackowski		802	
DX-4879	James Malackowski Opening Expert Report - Appendix D - Glossary	Malackowski		802	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4880	Avi Rubin Opening Expert Report - Exhibit 1 - Curriculum Vitae	Rubin	X		
DX-4881	Avi Rubin Opening Expert Report - Exhibit 2 - Materials Relied Upon	Rubin	X		
DX-4882	Expert Report of James Malackowski, dated February 16, 2021	Malackowski	X		
DX-4883	Expert Report of Lorin Hitt, dated February 16, 2021	Hitt; Schmalensee; Lafontaine	X		
DX-4884	Expert Report of Richard Schmalensee, dated February 16, 2021	Schmalensee	X		
DX-4885	Expert Report of Aviel Rubin, dated February 16, 2021	Rubin	X		
DX-4886	Expert Report of Daniel Rubinfeld, dated February 16, 2021	Rubinfeld	X		
DX-4887	Expert Report of Dominique Hanssens, dated February 16, 2021	Hanssens	X		
DX-4888	Expert Report of Francine Lafontaine, February 16, 2021	Lafontaine	X		
DX-4889	Expert Rebuttal Report of James Malackowski, dated March 15, 2021	Lafontaine		802	
DX-4890	Expert Rebuttal Report of Lorin Hitt, dated March 15, 2021	Hitt		802	
DX-4891	Expert Rebuttal Report of Richard Schmalensee, dated March 15, 2021	Schmalensee		802	
DX-4892	Expert Rebuttal Report of Aviel Rubin, dated March 15, 2021	Rubin	X	802	
DX-4893	Expert Rebuttal Report of Daniel Rubinfeld, dated March 15, 2021	Rubinfeld		802	
DX-4894	Expert Rebuttal Report of Dominique Hanssens, dated March 15, 2021	Hanssens		802	
DX-4895	Expert Rebuttal Report of Francine LaFontaine, March 15, 2021	Lafontaine		802	
DX-4896	Supplement to Expert Rebuttal Report of Lorin Hitt, dated March 17, 2021	Hitt		802	
DX-4897	Supplement to Expert Rebuttal Report of Francine LaFontaine, dated March 17, 2021	Lafontaine		802	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4898	Diedre O'Donnell, "An Android app calling itself 'System Update' is unmasked as malware by a security company," NotebookCheck.net News, March 28, 2021, available at https://www.notebookcheck.net/An-Android-app-calling-itself-System-Update-is-unmasked-as-malware-by-a-security-company.529946.0.html	Rubin		802; 602	
DX-4899	Apple Line of Business Reporting, iPad	Rollins		802; 901; 602	
DX-4900	Apple Inc. LOB Report - iPad Line of Business Report	Rollins		802; 901; 602	
DX-4901	"Apple Business Manager User Guide," available at https://support.apple.com/guide/apple-business-manager/select-and-buy-content-asmc21817890/web	Schiller; Fischer; Haun		602	
DX-4902	"Apple School Manager User Guide," available at https://support.apple.com/guide/apple-school-manager/select-and-buy-content-asmc21817890/web	Schiller; Fischer; Haun		602	
DX-4903	1/12/2007 email Email from Todd Wlder to "undisclosed-recipients," subject regarding "ONLINE REPORT: 12 January 2007," dated January 12, 2007	Schiller; Cook; Fischer; Haun		802; 1002; 602; 37(c)	
DX-4904	8/2/2016 email regarding "Fwd: our App Store in China"	Schiller		802; 37(c)	
DX-4905	Document titled "APPLE INC "iOS AND iPadOS SOFTWARE LICENSE AGREEMENT Single Use License"	Schiller; Federighi; Cook			
DX-4906	10/20/2017 email regarding "FY17 Developer Survey Results - Follow Up"	Gray		802	
DX-4907	6/14/19 eEmail from Stoney Gamble to Trystan Kosmynka re regarding "Fwd: URGENT: FORTNITE: Responses to recent call from App Review", dated June 14, 2019	Grimm; Schmid		802	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4908	6/4/19 email from Matthew Bengston to Nick Darnell, copying Jordan Walker, Andrew Grant, Tim Sweeney, David Nikdel, Daniel Vogel, et al. re [kairos] Re: regarding "Re: [Kairos] Re: Microsoft Announces Minecraft World", dated June 4, 2019	Grant; Sweeney			
DX-4909	Presentation titled Google Play , Alphabet Board Meeting - May 2019	Google Custodian; Schmalensee; Hitt; Lafontaine		802; 602	
DX-4910	Presentation titled in part Google Play dated March 2020	Google Custodian; Schmalensee; Hitt; Lafontaine; Sweeney		802; 602	
DX-4911	Image included in Declaration of Mike Schmid in Support of Apple's PI Opposition Brief (ECF No. 79): "Browse" screen shot	Schmid			
DX-4912	Image included in Declaration of Mike Schmid in Support of Apple's PI Opposition Brief (ECF No. 79): "Today" screen shot	Schmid			
DX-4913	Image included in Declaration of Mike Schmid in Support of Apple's PI Opposition Brief (ECF No. 79): "Games" screen shot	Schmid			
DX-4914	Nick Fernandez, "5 Features the Google Play Store Sshould Ssteal from the iOS App Store Rright Nnow," Android Authority, dated December 22, 2019	Schiller; Fischer; Cook; Schmalensee; Hitt; Evans; Lafontaine; Sweeney		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4915	Sameer Samat, "Listening to Developer Feedback to Improve Google Play," Android Developers Blog, dated September 28, 2020	Google Custodian; Schmalensee; Hitt; Lafontaine; Schiller; Cook; Fischer; Sweeney		802; 602	
DX-4916	Jonathan Briskman, "App Store Browsing Has Grown to Drive 15% of Downloads Since iOS 11's Launch," Sensor Tower Blog, dated May 14, 2018	Schmalensee; Hitt; Lafontaine; Schiller; Fischer		802; 602	
DX-4917	"App Store Improvements," App Store Improvements – Support – Apple Developer, [Undated]	Schmalensee; Hitt; Lafontaine; Schiller; Fischer; Haun		802; 602	
DX-4918	Apple Inc. Form 10-K, for the Fiscal Year Ended September 29, 2018	Malackowski; Schmalensee; Hitt; Lafontaine; Rubinfeld; Cook; Schiller; Fischer		802; 602	
DX-4919	Sarah Perez, "Apple's App Store Rredesign Iimproved Aapp Ddiscovery, Rreport Ffinds," Tech Crunch, dated May 14, 2018	Schiller; Fischer; Cook; Haun; Schmalensee; Hitt; Evans; Lafontaine		802; 602	
DX-4920	Microsoft Store, "Change your country or region in Microsoft Store," [Undated]	Schiller; Fischer; Cook; Haun; Schmalensee; Hitt; Evans; Lafontaine; Microsoft custodian		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4921	Alfred Ng, "Fortnite had a security vulnerability that let hackers take over accounts," c net, dated January 16, 2019	Sweeney; Grant; Rein; Kreiner; Lee; Mickens; Rubin		802; 602	
DX-4922	"App Distribution Guide," Galaxy Store – Distribute Samsung Developers, [Undated]	Sweeney; Grant; Rein; Ko; Kreiner; Schmalensee; Hitt; Evans; Lafontaine		602	
DX-4923	Samsung, "Get Started in Galaxy Store," available at https://developer.samsung.com/galaxy-games/get-started-in-galaxy-store.html	Sweeney; Grant; Rein; Ko; Kreiner; Schmalensee; Hitt; Evans; Lafontaine		602	
DX-4924	Manish Singh "Google Play drops commissions to 15% from 30%, following Apple's move last year," Verizon Media, March 16, 2021	Google Custodian; Schmalensee; Hitt; Lafontaine; Schiller; Cook; Fischer; Weissinger; Sweeney		802; 602	
DX-4925	Apple, "How the Program Works," available at https://developer.apple.com/programs/how-it-works/	Schiller; Fischer; Cook; Haun		802; 602	
DX-4926	Johanna Weststar, Shruti Kumar, "Developer Satisfaction Survey 2019 – Industry Trends and Future Outlook Report," International Game Developers Association, November 18, 2020	Schiller; Fischer; Cook; Haun; Schmalensee; Hitt; Evans; Lafontaine; Sweeney		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4927	E. Sadun, "iPhone Dev Team announces public iPhone 1.1.1 Jailbreak," Engadget, October 10, 2007, available at https://www.engadget.com/2007-10-10-iphone-dev-team-announces-public-iphone-1-1-1-jailbreak.html?guccounter=1	Schiller; Fischer; Cook; Haun; Federighi; Rubin		802; 602; Illegible	
DX-4928	Apple, "Make Your Apps Available for Pre-Order," December 11, 2017, available at https://developer.apple.com/news/?id=12112017a	Schiller; Fischer; Haun; Schmalensee; Hitt; Evans; Sweeney; Lafontaine		602	
DX-4929	Microsoft, "Microsoft Store Policies," dated March 4, 2021, available at https://docs.microsoft.com/en-us/windows/uwp/publish/store-policies#108-financial-transactions .	Schiller; Fischer; Cook; Haun; Schmalensee; Hitt; Evans; Sweeney; Lafontaine; Microsoft custodian		602	
DX-4930	Steam, "Steam Client Released," September 12, 2003, available at https://store.steampowered.com/oldnews/183	Schiller; Fischer; Cook; Haun; Schmalensee; Hitt; Evans; Sweeney; Lafontaine		602	
DX-4931	Nintendo, "Can I Change the Nintendo Switch eShop Country?,"	Schiller; Fischer; Cook; Haun; Schmalensee; Hitt; Evans; Sweeney; Lafontaine		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4932	Nick Statt, "Pokémon Go iOS update will deliver more advanced augmented reality thanks to ARKit," The Verge, December 20, 2017, available at https://www.theverge.com/2017/12/20/16798388/pokemon-go-niantic-apple-iphone-ios-arkit-augmented-reality-ar-plus	Federighi; Schiller; Fischer; Malackowski		802; 602	
DX-4933	Honorable Guy Reschenthaler, "Online Platforms and Market Power Part 6: Examining the Dominance of Amazon, Apple, Facebook, and Google, Questions for the Record from the Honorable Guy Reschenthaler, Questions for Tim Cook, CEO, Apple, Inc.,"	Cook		802	
DX-4934	RISKIQ, "2020 Mobile App Threat Landscape Report, Tumultuous Year Bred New Threats, But the App Ecosystem Got Safer,"	Rubin; Federighi; Fischer; Schiller		802; 602	
DX-4935	Kellen Browning, "Roblox Tops \$45 Billion on First Day of Trading as Gaming Booms," The New York Times, March 10, 2021, available at https://www.nytimes.com/2021/03/10/technology/roblox-stock-price.html?action=click&module=News&pgtype=Homepage	Schiller; Fischer; Cook; Haun; Schmalensee; Hitt; Evans; Sweeney; Lafontaine; Roblox custodian		802; 602	
DX-4936	Scott Yoshinaga, "Unlocking iPhone can cause permanent damage!," Apple Community, September 24, 2007, available at https://discussions.apple.com/thread/1148643	Schiller; Fischer; Cook; Haun; Federighi; Rubin; Vogel		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4937	Tyler Wilde, "Unreal Engine games no longer owe royalties on their first \$1M in revenue," PC Games, May 13, 2020, available at https://www.pcgamer.com/unreal-engine-games-no-longer-owe-royalties-on-their-first-dollar1m-in-revenue/#:~:text=Epic	Schmalensee; Hitt; Lafontaine; Evans; Sweeney; Weissinger; Allison; Grant; Kreiner; Rein; Vogel		802; 602	
DX-4938	Emarketer, "US Smartphone Users and Penetration, by OS Forecasts, Estimates and Historical data Insider Intelligence," available at https://www.emarketer.com/forecasts/584b26021403070290f93a22/5851918b0626310a2c186ae7	Schiller; Fischer; Cook; Schmalensee; Hitt; Evans; Sweeney; Lafontaine		802; 602	
DX-4939	Apple, "What's New in the iOS SDK," March 31, 2021, available at https://developer.apple.com/ios/whats-new/	Schiller; Fischer; Haun; Schmalensee; Hitt; Evans; Sweeney; Lafontaine; Rubin; Malackowski		802; 602	
DX-4940	Sarah Perez, "Apple's App Store redesigns improved app discovery, report finds," Tech Crunch, May 14, 2018, available at https://techcrunch.com/2018/05/14/apples-app-store-redesign-improved-app-discovery-report-finds/?_sm_aui=iHVJqSFKbRsbWVTPFcVTvKQkcK8...	Schiller; Fischer; Haun; Schmalensee; Hitt; Evans; Sweeney; Lafontaine; Rubin; Malackowski		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4941	Slack thread Id:3013157607 among Andrew Grant, Matt Weissinger, Alec Shobin, Mana Drake, Elizabeth Cook, Matt Grandstaff, Trevor Stone, Ed Zobrist, David Nikdel, Hans Stolfus, Thomas Ko, John Jack, Joseph Sozio, Carlos Almeida, Arthur Flew, Jamal Fanaian, Sara Germano, Graham Logan, Jeremy Hoffmann, Rohan Rivas, Scott James on July 29, 2020	Grant, Weissinger, Shobin, Ko, Nikdel			
DX-4942	G. Allenby, N. Hardt and P. Rossi, "Chapter 3 -Economic Foundations of Conjoint Analysis," 2019	Rossi			
DX-4943	Nemet, et al v. Volkswagen Group of America – 3:17-cv-04372 – Expert Report of Peter E. Rossi, dated March 13, 2020	Rossi		802	
DX-4944	In the matter of Certain Gaming and Entertainment Consoles, Related Software, and Components Thereof – No. 337-TA-752 – Contingent Rebuttal Witness Statement of Peter Rossi, dated November 13, 2012	Rossi		802	
DX-4945	Letter from Brian R. Nester of Sidley Austin LLP to USITC re In the matter of Certain Gaming and Entertainment Consoles, Related Software, and Components Thereof – No. 337-TA-752 – Contingent Expert Report of Peter Rossi, dated October 19, 2012	Rossi		802	
DX-4946	Western Sugar Cooperative et al v. Archer-Daniels-Midland Company – 2:11-cv-3473 CBM – Deposition of Peter Rossi, dated November 6, 2014	Rossi		802	
DX-4947	United States of America v AT&T, Inc. et al. – 1:170-cv-02511 – Trial Transcript of Peter Rossi	Rossi		802	
DX-4948	Document titled "Devices/Platforms and IAP Research Discussion Guide"	Rossi			
DX-4949	In Re ANTHEM, INC. Data Breach Litigation., 2016 WL 9307288 (2016)	Rossi		802	
DX-4950	Document titled "Programming Note: Put Timers on Each Screen of the Survey"	Rossi			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4951	9/13/2018 email regarding "Fwd: App Store: Fortnite Story"	Schmid		802	
DX-4952	Screenshot of Fortnite feature on Today tab	Schmid		37(c)	
DX-4953	11/12/2018 email regarding "Re: Information on Gifting in Fortnite"	Schmid		802	
DX-4954	4/23/2020 email regarding "Fwd: Fortnite on the App Store"	Schmid		802	
DX-4955	4/22/2020 email regarding "App Store - Fortnite/Travis Scott Event"	Schmid		802	
DX-4956	PurpleSec, "2020 Cyber Security Statistics: The Ultimate List of Stats, Data & Trends," available at https://purplesec.us/resources/cyber-security-statistics	Mickens; Rubin		802; 602	
DX-4957	GOG, "About GOG – We Care About Games Homepage," available at https://www.gog.com/about_gog	Mickens		802; 602	
DX-4958	J.Larisch, J. Mickens and E. Kohler – Alto: Lightweight VMs using Virtualization-aware Manage Runtimes, Harvard University, 2018	Mickens			
DX-4959	Panda Security, "Android devices 50 times more infected compared to iOS," January 14, 2019, available at https://www.pandasecurity.com/en/mediacent er/mobile-security/android-more-infected-than-ios/	Mickens; Rubin		802; 602	
DX-4960	4/9/2019 email regarding "Re: Well-funded surveillance operation infected both iOS and Android devices Ars Technica"	Mickens; Rubin		802; 602	
DX-4961	Ben Lovejoy, "Apple brand loyalty hits all-time high as Samsung loyalty dives," 9to5Mac, March 16, 2021, available at https://9to5mac.com/2021/03/16/apple-brand-loyalty/	Mickens		802; 602	
DX-4962	CVE Details, "Apple Iphone Os - CVE security vulnerabilities versions and detailed reports," available at https://www.cvedetails.com/product/15556/A pple-Iphone-Os.html?vendor_id=49	Mickens; Rubin		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4963	John Thornhill, "Apple move to increase privacy strengthens its walled garden," Financial Times, available at https://www.ft.com/content/e4b2ff3b-1fb9-4f6b-837a-ab0368fb7125	Mickens		802; 602	
DX-4964	Avi Bashan and Ohad Bobrov, "Enterprise Apps: Bypassing the Gatekeeper," Check Point Software Technologies LTD	Mickens		802; 602	
DX-4965	Lorenzo Franceschi-Bicchleral, "Activision Reveals Malware Disguised a 'Call of Duty: Warzone' Cheats," Waypoint, March 31, 2021, available at https://www.vice.com/en/article/bvxwva/activision-reveals-malware-disguised-as-call-of-duty-warzone-cheats	Mickens		802; 602	
DX-4966	CVE Details, "Debian – Products of Vulnerabilities," available at https://www.cvedetails.com/vendor/23/Debian.html	Mickens; Rubin		802; 602	
DX-4967	7/11/2014 email regarding "Re: Black Market App Store Follow-up"	Mickens; Rubin			
DX-4968	6/4/2019 email regarding "Re: Economic and scale measures of app distribution outside the App Store"	Mickens; Rubin		802; 602	
DX-4969	CVE Details, "Google Android CVE security vulnerabilities versions and detailed reports," available at https://www.cvedetails.com/product/19997/Google-Android.html?vendor_id=1224	Mickens; Rubin; Lee		802; 602	
DX-4970	Apple, "Hardware security overview," available at https://support.apple.com/guide/security/hardware-security-overview-secf020d1074/web	Mickens; Rubin		802; 602	
DX-4971	Tim Bradshaw, "How the iPhone earned its security record," Financial Times, November 8, 2017, available at https://www.ft.com/content/6f956fb6-98ad-11e7-8c5c-c8d8fa6961bb	Mickens		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4972	Microsoft, "How to use User Account Control (UAC) in Windows Vista," available at https://support.microsoft.com/en-us/topic/how-to-use-user-account-control-uac-in-windows-vista-33b5a65e-4238-397e-d1b4-c502ee0f473e	Mickens; Rubin		802; 602	
DX-4973	Shashikant Jagtap, "iOS Code Signing Part 1 Getting Started" - DZone Mobile, February 13, 2018, available at https://dzone.com/articles/ios-code-signing-part-1-getting-started	Mickens; Rubin		802; 602; Illegible	
DX-4974	Epic Games, Inc. v. Apple Inc. - Expert Report of James W. Mickens, PH.D., dated February 16, 2021- Confidential	Mickens			
DX-4975	Presentation titled "Nokia - Threat Intelligence Report 2020"	Mickens; Rubin		802; 602	
DX-4976	CVE Details, "Mcafee Total Protection List of security vulnerabilities," available at https://www.cvedetails.com/vulnerability-list/vendor_id-345/product_id-17303/Mcafee-Total-Protection.html	Mickens; Rubin; Lee		802; 602	
DX-4977	J. Mickens, "Mobile Computing Research Is a Hornet's Nest of Deception and Chicanery," ;login: logout, July 2013	Mickens		802	
DX-4978	Ravi Netravali and James Mickens, "Prophecy: Accelerating Mobile Page Loads Using Final-state Write Logs," USENIX, April 9-11, 2018	Mickens			
DX-4979	James Mickens, "Happy MLK Day! IAmA black computer scientist who is currently at MIT as an MLK Visiting Professor. I also work at Microsoft Research. AMA!," Reddit	Mickens		402; 403; 802	
DX-4980	R. Netravali and J. Mickens, "Reverb: Speculative Debugging for Web Applications"	Mickens			
DX-4981	F. Wang, R. Ko and J. Mickens, "Riverbed: Enforcing User-defined Privacy Constraints in Distributed Web Services"	Mickens			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4982	CVE Details, "Symantec Norton 360 List of security vulnerabilities" available at https://www.cvedetails.com/vulnerability-list/vendor_id-76/product_id-10731/Symantec-Norton-360.html	Mickens; Rubin; Lee		802; 602	
DX-4983	X. Han et al., "Unicorn: Runtime Provenance-Based Detector for Advanced Persistent Threats"	Mickens			
DX-4984	Lawrence Abrams, "Warning: Google Alerts abused to push fake Adobe Flash updater," Bleepingcomputer.com, February 21, 2021, available at https://www.bleepingcomputer.com/news/security/warning-google-alerts-abused-to-push-fake-adobe-flash-updater/	Mickens; Rubin		802; 602	
DX-4985	R. Netravali et al., "WatchTower: Fast, Secure Mobile Page Loads Using Remote Dependency Resolution"	Mickens			
DX-4986	Epic Games, Inc. v. Apple Inc. – Expert Report of Aviel D Rubin, PH.D. date February 16, 2021	Lee	x		
DX-4987	Epic Games, Inc. v. Apple Inc. – Rebuttal Expert Report of Aviel D Rubin, PH.D. date March 15, 2021	Lee	x		
DX-4988	AppValley Official Twitter	Lee		802; 602	
DX-4989	Y. Jang et al., "A11y Attacks: Exploiting Accessibility in Operating Systems"	Lee			
DX-4990	AppValley App, – "AppValley Store" available at https://appvalleyapp.com/?_sm_au_=iHV0T2sPscFnRWDJFcVTvKQkcK8MG	Lee		802; 602	
DX-4991	Georgia Tech Information Security Center, "Emerging Cyber Threats Report for 2009 – Data, Mobility and Questions of Responsibility will Drive Cyber Threats in 2009 and Beyond," dated October 15, 2008	Lee		802	
DX-4992	Epic Games, Inc. v. Apple Inc. - Expert Report of James W. Mickens, PH.D., dated February 16, 2021- Confidential	Lee		602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-4993	OMSCS, "CS 6035: Introduction to Information Security," Georgia Institute of Technology, available at https://omscs.gatech.edu/cs-6035-introduction-to-information-security	Lee		802	
DX-4994	OMSCS, "CS 6035: Introduction to Information Security Course Videos," Georgia Institute of Technology, available at https://omscs.gatech.edu/cs-6035-introduction-information-security-course-videos	Lee			
DX-4995	OMSCS, "CS 6262: Network Security," Georgia Institute of Technology, available at https://omscs.gatech.edu/cs-6262-network-security	Lee			
DX-4996	OMSCS "CS 6262: Network Security Course Videos," Georgia Institute of Technology, available at https://omscs.gatech.edu/cs-6262-network-security-course-videos	Lee			
DX-4997	Ralph Ellis, "Minding Your Business – The information security industry is booming in Georgia fueled by startups and Cyber Command," Georgiatrend.com, July 1, 2016	Lee		802; 602	
DX-4998	Wenke Lee, "Machine Learning and Security: The Good, The Bad, and The Ugly" ACM CCS 2020, November 9-13, 2020	Lee		106; 802; 6(c)	
DX-4999	Youtube "Machine Learning and Security: The Good, The Bad, and The Ugly", November 16, 2008	Lee		106; 802; 6(c)	
DX-5000	Video titled "Machine Learning and Security: The Good, The Bad, and The Ugly" (Apple intends to show portions of the video corresponding to the following portions of the transcript: 6:5-12:7; 26:17-36:19)	Lee		402; 403; 802; 602; 6(c)	
DX-5001	D. Dagon et al., "Mobile Phones as Computing Devices - The Viruses are Coming!" – Wearable Computing, 2004	Lee		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5002	T. Wang et al., "On The Feasibility of Large-Scale Infections of iOS Devices" – USENIX, August 20-22, 2014	Lee			
DX-5003	Epic Games, Inc. v. Apple Inc. - Expert Report of Professor Wenke Lee, dated February 16, 2021 - HCAEO	Lee	x		
DX-5004	Epic Games, Inc. v. Apple Inc. – Second Expert Report of Professor Wenke Lee - HCAEO	Lee	x		
DX-5005	Y. Fratantonio et al., "Cloak and Dagger: From Two Permissions to Complete Control of the UI Feedback Loop"	Lee			
DX-5006	"Combination of Features Produces New Android Vulnerability," GATECH.edu/news, May 22, 2017, available at https://rh.gatech.edu/news/591964/combination-features-produces-new-android-vulnerability	Lee		802; 602; 6(c)	
DX-5007	Youtube – "Combination of Features Produces New Android Vulnerability," Georgia Tech, May 23, 2017, available at https://www.youtube.com/watch?v=RgZmWmbQg84	Lee		802; 602; 6(c)	
DX-5008	Video – "Combination of Features Produces New Android Vulnerability" (Apple intends to show the entire video)	Lee		802; 602; 6(c)	
DX-5009	Ralph Ellis, "Minding Your Business – The information security industry is booming in Georgia fueled by startups and Cyber Command," Georgiatrend.com, July 1, 2016	Lee		802; 602	
DX-5010	"Protecting Privacy Takes Many Forms," GATech, available at https://iisp.gatech.edu/protecting-privacy-takes-many-forms	Lee		802; 602	
DX-5011	W. Meng et al., "The Price of Free: Privacy Leakage in Personalized Mobile In-App Ads"	Lee			
DX-5012	X. Xing et al., "Take this Personally: Pollution Attacks on Personalized Services," USENIX, August 14-16, 2013	Lee			

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5013	“Georgia Tech Discovers How Mobile Ads Leak Personal Data,” Georgia Tech, February 22, 2016, available at https://iisp.gatech.edu/news/georgia-tech-discovers-how-mobile-ads-leak-personal-data	Lee		802	
DX-5014	T. Wang et al., “Jekyll on iOS: When Benign Apps Become Evil,” USENIX, August 14-16, 2013	Lee			
DX-5015	T. Wang, et al., “Jekyll on iOS: When Benign Apps Become Evil,” USENIX.org, available at https://www.usenix.org/conference/usenixsecurity13/technical-sessions/presentation/wang_tielei	Lee		106	
DX-5016	Slides – T. Wang, “Jekyll on iOS: When Benign Apps Become Evil,” Georgia Institute of Technology	Lee		802	
DX-5017	Video - Jekyll on iOS: When Benign Apps Become Evil by Tielei Wang of Georgia Institute of Technology (Apple intends to show the entire video)	Lee		402; 403; 802; 602; 6(c)	
DX-5018	T. Wang, “On the Feasibility of Large-Scale Infections of iOS Devices,” USENIX.org, available at https://www.usenix.org/conference/usenixsecurity14/technical-sessions/presentation/wang_tielei	Lee		106	
DX-5019	Slides – T. Wang, “On the Feasibility of Large-Scale Infections of iOS Devices,” Georgia Institute of Technology	Lee		802; 602	
DX-5020	Video - On the Feasibility of Large-Scale Infections of iOS Devices by Tielei Wang of Georgia Institute of Technology (Apple intends to show the entire video)	Lee		802; 602; 6(c)	
DX-5021	“2020 Cyber Security Statistics The Ultimate List of Stats, Data & Trends,” – PurpleSec, available at https://purplesec.us/resources/cyber-security-statistics	Lee		802; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5022	Y. Shao et al., "Towards a Scalable Resource-driven Approach for Detecting Repackaged Android Applications"	Lee		602	
DX-5023	SRI International v. Cisco Systems – 1:13-cv-01534, Wenke Lee Testimony, May 6, 2016	Lee		802	
DX-5024	J. Mickens & B. Noble, "Analytical Models for Epidemics in Mobile Networks, University of Michigan"	Mickens			
DX-5025	J. Mickens & B. Noble, "Modeling Epidemic Spreading in Mobile Environments," University of Michigan	Mickens			
DX-5026	Prof. Lee lecture, CS6035_P2_A Variety of Classification Approaches	Lee		402; 403; 802; 6(c)	
DX-5027	Prof. Lee lecture, CS6035_P2_Analysis Approaches	Lee		402; 403; 802; 6(c)	
DX-5028	Prof. Lee lecture, CS6035_P2_Analysis Detection Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5029	Prof. Lee lecture, CS6035_P2_Analysis Detection Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5030	Prof. Lee lecture, CS6035_P2_Anomaly Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5031	Prof. Lee lecture, CS6035_P2_Anomaly Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5032	Prof. Lee lecture, CS6035_P2_Anomalous Behavior Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5033	Prof. Lee lecture, CS6035_P2_Anomalous Behavior Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5034	Prof. Lee lecture, CS6035_P2_Anomaly Detection Example	Lee		402; 403; 802; 6(c)	
DX-5035	Prof. Lee lecture, CS6035_P2_Architecture of Network IDS	Lee		402; 403; 802; 6(c)	
DX-5036	Prof. Lee lecture, CS6035_P2_Attacks Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5037	Prof. Lee lecture, CS6035_P2_Attacks Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5038	Prof. Lee lecture, CS6035_P2_Bayesian Detection Rate	Lee		402; 403; 802; 6(c)	
DX-5039	Prof. Lee lecture, CS6035_P2_Defense in Depth (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5040	Prof. Lee lecture, CS6035_P2_DOS Attacks on Network IDS	Lee		402; 403; 802; 6(c)	
DX-5041	Prof. Lee lecture, CS6035_P2_Elements of Intrusion Detection (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	
DX-5042	Prof. Lee lecture, CS6035_P2_Eluding Network IDS	Lee		402; 403; 802; 6(c)	
DX-5043	Prof. Lee lecture, CS6035_P2_Evaluating IDS	Lee		402; 403; 802; 6(c)	
DX-5044	Prof. Lee lecture, CS6035_P2_Evasion Attack	Lee		402; 403; 802; 6(c)	
DX-5045	Prof. Lee lecture, CS6035_P2_Exercise 1	Lee		402; 403; 802; 6(c)	
DX-5046	Prof. Lee lecture, CS6035_P2_Exercise 10	Lee		402; 403; 802; 6(c)	
DX-5047	Prof. Lee lecture, CS6035_P2_Exercise 11	Lee		402; 403; 802; 6(c)	
DX-5048	Prof. Lee lecture, CS6035_P2_Exercise 12	Lee		402; 403; 802; 6(c)	
DX-5049	Prof. Lee lecture, CS6035_P2_Exercise 13	Lee		402; 403; 802; 6(c)	
DX-5050	Prof. Lee lecture, CS6035_P2_Exercise 14	Lee		402; 403; 802; 6(c)	
DX-5051	Prof. Lee lecture, CS6035_P2_Exercise 15	Lee		402; 403; 802; 6(c)	
DX-5052	Prof. Lee lecture, CS6035_P2_Exercise 16	Lee		402; 403; 802; 6(c)	
DX-5053	Prof. Lee lecture, CS6035_P2_Exercise 17	Lee		402; 403; 802; 6(c)	
DX-5054	Prof. Lee lecture, CS6035_P2_Exercise 18	Lee		402; 403; 802; 6(c)	
DX-5055	Prof. Lee lecture, CS6035_P2_Exercise 2	Lee		402; 403; 802; 6(c)	
DX-5056	Prof. Lee lecture, CS6035_P2_Exercise 3	Lee		402; 403; 802; 6(c)	
DX-5057	Prof. Lee lecture, CS6035_P2_Exercise 4	Lee		402; 403; 802; 6(c)	
DX-5058	Prof. Lee lecture, CS6035_P2_Exercise 5	Lee		402; 403; 802; 6(c)	
DX-5059	Prof. Lee lecture, CS6035_P2_Exercise 6	Lee		402; 403; 802; 6(c)	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5060	Prof. Lee lecture, CS6035_P2_Exercise 7	Lee		402; 403; 802; 6(c)	
DX-5061	Prof. Lee lecture, CS6035_P2_Exercise 8	Lee		402; 403; 802; 6(c)	
DX-5062	Prof. Lee lecture, CS6035_P2_Exercise 9	Lee		402; 403; 802; 6(c)	
DX-5063	Prof. Lee lecture, CS6035_P2_Firewall Versus Network IDS	Lee		402; 403; 802; 6(c)	
DX-5064	Prof. Lee lecture, CS6035_P2_Honeypot Deployment	Lee		402; 403; 802; 6(c)	
DX-5065	Prof. Lee lecture, CS6035_P2_Honeypot Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5066	Prof. Lee lecture, CS6035_P2_Honeypot Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5067	Prof. Lee lecture, CS6035_P2_Honeypots Classification	Lee		402; 403; 802; 6(c)	
DX-5068	Prof. Lee lecture, CS6035_P2_Honeypots	Lee		402; 403; 802; 6(c)	
DX-5069	Prof. Lee lecture, CS6035_P2_HOST IDS	Lee		402; 403; 802; 6(c)	
DX-5070	Prof. Lee lecture, CS6035_P2_IDS Attack Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5071	Prof. Lee lecture, CS6035_P2_IDS Attack Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5072	Prof. Lee lecture, CS6035_P2_IDS Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5073	Prof. Lee lecture, CS6035_P2_IDS Quiz ANS_2	Lee		402; 403; 802; 6(c)	
DX-5074	Prof. Lee lecture, CS6035_P2_IDS Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5075	Prof. Lee lecture, CS6035_P2_IDS Quiz QUES_2	Lee		402; 403; 802; 6(c)	
DX-5076	Prof. Lee lecture, CS6035_P2_Inline Sensors	Lee		402; 403; 802; 6(c)	
DX-5077	Prof. Lee lecture, CS6035_P2_Insertion Attack	Lee		402; 403; 802; 6(c)	
DX-5078	Prof. Lee lecture, CS6035_P2_Intruder Behavior	Lee		402; 403; 802; 6(c)	
DX-5079	Prof. Lee lecture, CS6035_P2_Intruder Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5080	Prof. Lee lecture, CS6035_P2_Intruder Quiz QUES	Lee		402; 403; 802; 6(c)	

Apple Inc.'s Trial Exhibit List

Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5081	Prof. Lee lecture, CS6035_P2_Intrusion Detection Approaches (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	
DX-5082	Prof. Lee lecture, CS6035_P2_Intrusion Detection Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5083	Prof. Lee lecture, CS6035_P2_Intrusion Detection Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5084	Prof. Lee lecture, CS6035_P2_Intrusion Detection System	Lee		402; 403; 802; 6(c)	
DX-5085	Prof. Lee lecture, CS6035_P2_Intrusion Examples	Lee		402; 403; 802; 6(c)	
DX-5086	Prof. Lee lecture, CS6035_P2_Intrusion Prevention Systems (IPS)	Lee		402; 403; 802; 6(c)	
DX-5087	Prof. Lee lecture, CS6035_P2_Knowledge Based Approaches (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	
DX-5088	Prof. Lee lecture, CS6035_P2_Lesson Introduction (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	
DX-5089	Prof. Lee lecture, CS6035_P2_Lesson Summary	Lee		402; 403; 802; 6(c)	
DX-5090	Prof. Lee lecture, CS6035_P2_Limitations of Anomaly Detection	Lee		402; 403; 802; 6(c)	
DX-5091	Prof. Lee lecture, CS6035_P2_Machine Learning Approaches	Lee		402; 403; 802; 6(c)	
DX-5092	Prof. Lee lecture, CS6035_P2_Machine Learning Intruder Detection Approaches	Lee		402; 403; 802; 6(c)	
DX-5093	Prof. Lee lecture, CS6035_P2_Machine Learning Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5094	Prof. Lee lecture, CS6035_P2_Machine Learning Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5095	Prof. Lee lecture, CS6035_P2_Misuse or Signature Detection	Lee		402; 403; 802; 6(c)	
DX-5096	Prof. Lee lecture, CS6035_P2_Misuse Signature Intruder Detection	Lee		402; 403; 802; 6(c)	
DX-5097	Prof. Lee lecture, CS6035_P2_Monitoring Networks and Hosts	Lee		402; 403; 802; 6(c)	
DX-5098	Prof. Lee lecture, CS6035_P2_Network Based IDS (NIDS)	Lee		402; 403; 802; 6(c)	
DX-5099	Prof. Lee lecture, CS6035_P2_Network IDS	Lee		402; 403; 802; 6(c)	

Apple Inc.'s Trial Exhibit List

Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5100	Prof. Lee lecture, CS6035_P2_NIDS Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5101	Prof. Lee lecture, CS6035_P2_NIDS Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5102	Prof. Lee lecture, CS6035_P2_NIDS Sensor Deployed QUIZ ANS	Lee		402; 403; 802; 6(c)	
DX-5103	Prof. Lee lecture, CS6035_P2_NIDS Sensor Deployed QUIZ QUES	Lee		402; 403; 802; 6(c)	
DX-5104	Prof. Lee lecture, CS6035_P2_NIDS Sensor Deployed	Lee		402; 403; 802; 6(c)	
DX-5105	Prof. Lee lecture, CS6035_P2_Passive Sensors	Lee		402; 403; 802; 6(c)	
DX-5106	Prof. Lee lecture, CS6035_P2_Rule Based Detection	Lee		402; 403; 802; 6(c)	
DX-5107	Prof. Lee lecture, CS6035_P2_Signature Approaches Advantages	Lee		402; 403; 802; 6(c)	
DX-5108	Prof. Lee lecture, CS6035_P2_Signature Approaches	Lee		402; 403; 802; 6(c)	
DX-5109	Prof. Lee lecture, CS6035_P2_Signature Detection Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5110	Prof. Lee lecture, CS6035_P2_Signature Detection Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5111	Prof. Lee lecture, CS6035_P2_Snort Components	Lee		402; 403; 802; 6(c)	
DX-5112	Prof. Lee lecture, CS6035_P2_Snort Configuration	Lee		402; 403; 802; 6(c)	
DX-5113	Prof. Lee lecture, CS6035_P2_Snort Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5114	Prof. Lee lecture, CS6035_P2_Snort Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5115	Prof. Lee lecture, CS6035_P2_Snort Rules Actions	Lee		402; 403; 802; 6(c)	
DX-5116	Prof. Lee lecture, CS6035_P2_Snort Rules Example	Lee		402; 403; 802; 6(c)	
DX-5117	Prof. Lee lecture, CS6035_P2_Snort Rules Options	Lee		402; 403; 802; 6(c)	
DX-5118	Prof. Lee lecture, CS6035_P2_Snort Rules	Lee		402; 403; 802; 6(c)	
DX-5119	Prof. Lee lecture, CS6035_P2_Snort	Lee		402; 403; 802; 6(c)	

Apple Inc.'s Trial Exhibit List

Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5120	Prof. Lee lecture, CS6035_P2_Statistical and Knowledge Based Approaches Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5121	Prof. Lee lecture, CS6035_P2_Statistical and Knowledge Based Approaches Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5122	Prof. Lee lecture, CS6035_P2_Statistical Approaches	Lee		402; 403; 802; 6(c)	
DX-5123	Prof. Lee lecture, CS6035_P2_Types of Backdoors Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5124	Prof. Lee lecture, CS6035_P2_Types of Backdoors Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5125	Prof. Lee lecture, CS6035_P2_Zero Day Market Place Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5126	Prof. Lee lecture, CS6035_P2_Zero Day Market Place Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5127	Prof. Lee lecture, CS6035_P2_Address Space Layout Randomization	Lee		402; 403; 802; 6(c)	
DX-5128	Prof. Lee lecture, CS6035_P2_Android Apps Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5129	Prof. Lee lecture, CS6035_P2_Android Apps Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5130	Prof. Lee lecture, CS6035_P2_Android Sandbox vs iOS Sandbox (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	
DX-5131	Prof. Lee lecture, CS6035_P2_Android Security Overview	Lee		402; 403; 802; 6(c)	
DX-5132	Prof. Lee lecture, CS6035_P2_App Store Security Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5133	Prof. Lee lecture, CS6035_P2_App Store Security Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5134	Prof. Lee lecture, CS6035_P2_Application Sandbox	Lee		402; 403; 802; 6(c)	
DX-5135	Prof. Lee lecture, CS6035_P2_Code Signing (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	
DX-5136	Prof. Lee lecture, CS6035_P2_Data Execution Prevention	Lee		402; 403; 802; 6(c)	
DX-5137	Prof. Lee lecture, CS6035_P2_Exercise 1	Lee		402; 403; 802; 6(c)	
DX-5138	Prof. Lee lecture, CS6035_P2_Exercise 2	Lee		402; 403; 802; 6(c)	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5139	Prof. Lee lecture, CS6035_P2_Exercise 3	Lee		402; 403; 802; 6(c)	
DX-5140	Prof. Lee lecture, CS6035_P2_Exercise 4	Lee		402; 403; 802; 6(c)	
DX-5141	Prof. Lee lecture, CS6035_P2_Exercise 5	Lee		402; 403; 802; 6(c)	
DX-5142	Prof. Lee lecture, CS6035_P2_Exercise 6	Lee		402; 403; 802; 6(c)	
DX-5143	Prof. Lee lecture, CS6035_P2_Exercise 7	Lee		402; 403; 802; 6(c)	
DX-5144	Prof. Lee lecture, CS6035_P2_Exercise 8	Lee		402; 403; 802; 6(c)	
DX-5145	Prof. Lee lecture, CS6035_P2_File Data Encryption	Lee		402; 403; 802; 6(c)	
DX-5146	Prof. Lee lecture, CS6035_P2_Hardware Security Feature	Lee		402; 403; 802; 6(c)	
DX-5147	Prof. Lee lecture, CS6035_P2_Introduction to Wifi	Lee		402; 403; 802; 6(c)	
DX-5148	Prof. Lee lecture, CS6035_P2_iOS Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5149	Prof. Lee lecture, CS6035_P2_iOS Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5150	Prof. Lee lecture, CS6035_P2_iOS Security Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5151	Prof. Lee lecture, CS6035_P2_iOS Security Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5152	Prof. Lee lecture, CS6035_P2_iOS Trusted Bootchain	Lee		402; 403; 802; 6(c)	
DX-5153	Prof. Lee lecture, CS6035_P2_Lesson Introduction (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	
DX-5154	Prof. Lee lecture, CS6035_P2_Lesson Summary	Lee		402; 403; 802; 6(c)	
DX-5155	Prof. Lee lecture, CS6035_P2_Mandatory Code Signing	Lee		402; 403; 802; 6(c)	
DX-5156	Prof. Lee lecture, CS6035_P2_Operating System Vulnerabilities Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5157	Prof. Lee lecture, CS6035_P2_Operating System Vulnerabilities Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5158	Prof. Lee lecture, CS6035_P2_Overview of 80211i	Lee		402; 403; 802; 6(c)	

Apple Inc.'s Trial Exhibit List

Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5159	Prof. Lee lecture, CS6035_P2_Overview of iOS Security	Lee		402; 403; 802; 6(c)	
DX-5160	Prof. Lee lecture, CS6035_P2_Overview of Smartphone Security	Lee		402; 403; 802; 6(c)	
DX-5161	Prof. Lee lecture, CS6035_P2_Overview of Wifi Security	Lee		402; 403; 802; 6(c)	
DX-5162	Prof. Lee lecture, CS6035_P2_Passcodes and Touch ID	Lee		402; 403; 802; 6(c)	
DX-5163	Prof. Lee lecture, CS6035_P2_Restricted App Distribution Model (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	
DX-5164	Prof. Lee lecture, CS6035_P2_Sandboxing	Lee		402; 403; 802; 6(c)	
DX-5165	Prof. Lee lecture, CS6035_P2_Security Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5166	Prof. Lee lecture, CS6035_P2_Security Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5167	Prof. Lee lecture, CS6035_P2_Wifi Quiz ANSWER	Lee		402; 403; 802; 6(c)	
DX-5168	Prof. Lee lecture, CS6035_P2_Wifi Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5169	Prof. Lee lecture, CS6035_P2_Wifi Sec Standards Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5170	Prof. Lee lecture, CS6035_P2_Wifi Sec Standards Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5171	Prof. Lee lecture, CS6035_P3_Anthem Breach Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5172	Prof. Lee lecture, CS6035_P3_Anthem Breach Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5173	Prof. Lee lecture, CS6035_P3_Assts and Threats	Lee		402; 403; 802; 6(c)	
DX-5174	Prof. Lee lecture, CS6035_P3_Botnet Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5175	Prof. Lee lecture, CS6035_P3_Botnet Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5176	Prof. Lee lecture, CS6035_P3_Ciso Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5177	Prof. Lee lecture, CS6035_P3_Ciso Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5178	Prof. Lee lecture, CS6035_P3_Computer Use Policy Quiz ANS	Lee		402; 403; 802; 6(c)	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5179	Prof. Lee lecture, CS6035_P3_Computer Use Policy Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5180	Prof. Lee lecture, CS6035_P3_Cyber Insurance Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5181	Prof. Lee lecture, CS6035_P3_Cyber Insurance Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5182	Prof. Lee lecture, CS6035_P3_Cyber Risk Assessment	Lee		402; 403; 802; 6(c)	
DX-5183	Prof. Lee lecture, CS6035_P3_Cyber Security Budgets Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5184	Prof. Lee lecture, CS6035_P3_Cyber Security Budgets Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5185	Prof. Lee lecture, CS6035_P3_Enterprise Cyber Security Posture Part 1	Lee		402; 403; 802; 6(c)	
DX-5186	Prof. Lee lecture, CS6035_P3_Enterprise Cyber Security Posture Part 2	Lee		402; 403; 802; 6(c)	
DX-5187	Prof. Lee lecture, CS6035_P3_Exercise 1	Lee		402; 403; 802; 6(c)	
DX-5188	Prof. Lee lecture, CS6035_P3_Exercise 10	Lee		402; 403; 802; 6(c)	
DX-5189	Prof. Lee lecture, CS6035_P3_Exercise 11	Lee		402; 403; 802; 6(c)	
DX-5190	Prof. Lee lecture, CS6035_P3_Exercise 12	Lee		402; 403; 802; 6(c)	
DX-5191	Prof. Lee lecture, CS6035_P3_Exercise 2	Lee		402; 403; 802; 6(c)	
DX-5192	Prof. Lee lecture, CS6035_P3_Exercise 3	Lee		402; 403; 802; 6(c)	
DX-5193	Prof. Lee lecture, CS6035_P3_Exercise 4	Lee		402; 403; 802; 6(c)	
DX-5194	Prof. Lee lecture, CS6035_P3_Exercise 5	Lee		402; 403; 802; 6(c)	
DX-5195	Prof. Lee lecture, CS6035_P3_Exercise 6	Lee		402; 403; 802; 6(c)	
DX-5196	Prof. Lee lecture, CS6035_P3_Exercise 7	Lee		402; 403; 802; 6(c)	
DX-5197	Prof. Lee lecture, CS6035_P3_Exercise 8	Lee		402; 403; 802; 6(c)	
DX-5198	Prof. Lee lecture, CS6035_P3_Exercise 9	Lee		402; 403; 802; 6(c)	

Apple Inc.'s Trial Exhibit List

Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5199	Prof. Lee lecture, CS6035_P3_Georgia Tech Computer and Network Use Policy (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	
DX-5200	Prof. Lee lecture, CS6035_P3_Key Challenges	Lee		402; 403; 802; 6(c)	
DX-5201	Prof. Lee lecture, CS6035_P3_Lesson Introduction (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	
DX-5202	Prof. Lee lecture, CS6035_P3_Lesson Summary	Lee		402; 403; 802; 6(c)	
DX-5203	Prof. Lee lecture, CS6035_P3_Managing Cyber Risk	Lee		402; 403; 802; 6(c)	
DX-5204	Prof. Lee lecture, CS6035_P3_Managing Security	Lee		402; 403; 802; 6(c)	
DX-5205	Prof. Lee lecture, CS6035_P3_Network Use Policy Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5206	Prof. Lee lecture, CS6035_P3_Network Use Policy Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5207	Prof. Lee lecture, CS6035_P3_Part 3 Introduction	Lee		402; 403; 802; 6(c)	
DX-5208	Prof. Lee lecture, CS6035_P3_Proactive Security Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5209	Prof. Lee lecture, CS6035_P3_Proactive Security Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5210	Prof. Lee lecture, CS6035_P3_Quantifying Cyber Risk	Lee		402; 403; 802; 6(c)	
DX-5211	Prof. Lee lecture, CS6035_P3_Reducing Exposure Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5212	Prof. Lee lecture, CS6035_P3_Reducing Exposure Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5213	Prof. Lee lecture, CS6035_P3_Security Audit Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5214	Prof. Lee lecture, CS6035_P3_Security Audit Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5215	Prof. Lee lecture, CS6035_P3_Security Breach Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5216	Prof. Lee lecture, CS6035_P3_Security Breach Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5217	Prof. Lee lecture, CS6035_P3_Security Planning and Management	Lee		402; 403; 802; 6(c)	

Apple Inc.'s Trial Exhibit List

Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5218	Prof. Lee lecture, CS6035_P3_Security Planning Controls (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	
DX-5219	Prof. Lee lecture, CS6035_P3_Security Planning Security Policy (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	
DX-5220	Prof. Lee lecture, CS6035_P3_Security Planning	Lee		402; 403; 802; 6(c)	
DX-5221	Prof. Lee lecture, CS6035_P3_Student Privacy Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5222	Prof. Lee lecture, CS6035_P3_Student Privacy Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5223	Prof. Lee lecture, CS6262_L2_Actors in the Underground	Lee		402; 403; 802; 6(c)	
DX-5224	Prof. Lee lecture, CS6262_L2_Command and Control	Lee		402; 403; 802; 6(c)	
DX-5225	Prof. Lee lecture, CS6262_L2_Dark Web Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5226	Prof. Lee lecture, CS6262_L2_Dark Web Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5227	Prof. Lee lecture, CS6262_L2_Exercise 1	Lee		402; 403; 802; 6(c)	
DX-5228	Prof. Lee lecture, CS6262_L2_Exercise 2	Lee		402; 403; 802; 6(c)	
DX-5229	Prof. Lee lecture, CS6262_L2_Exercise 3	Lee		402; 403; 802; 6(c)	
DX-5230	Prof. Lee lecture, CS6262_L2_Exercise 4	Lee		402; 403; 802; 6(c)	
DX-5231	Prof. Lee lecture, CS6262_L2_Exploits as a Service	Lee		402; 403; 802; 6(c)	
DX-5232	Prof. Lee lecture, CS6262_L2_From Malware to Botnets	Lee		402; 403; 802; 6(c)	
DX-5233	Prof. Lee lecture, CS6262_L2_Introduction (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	
DX-5234	Prof. Lee lecture, CS6262_L2_Pharmaleaks (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	
DX-5235	Prof. Lee lecture, CS6262_L2_PPI Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5236	Prof. Lee lecture, CS6262_L2_PPI Quiz QUES	Lee		402; 403; 802; 6(c)	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5237	Prof. Lee lecture, CS6262_L2_Scamming Ain't Easy 2	Lee		402; 403; 802; 6(c)	
DX-5238	Prof. Lee lecture, CS6262_L2_Scamming Ain't Easy (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	
DX-5239	Prof. Lee lecture, CS6262_L2_SPAM Filter Effectiveness	Lee		402; 403; 802; 6(c)	
DX-5240	Prof. Lee lecture, CS6262_L2_Spam Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5241	Prof. Lee lecture, CS6262_L2_Spam Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5242	Prof. Lee lecture, CS6262_L2_SPAM Revenue Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5243	Prof. Lee lecture, CS6262_L2_SPAM Revenue Quiz	Lee		402; 403; 802; 6(c)	
DX-5244	Prof. Lee lecture, CS6262_L2_SPAM (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	
DX-5245	Prof. Lee lecture, CS6262_L2_Structure of the Underground (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	
DX-5246	Prof. Lee lecture, CS6262_L2_Traffic PPI Example (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	
DX-5247	Prof. Lee lecture, CS6262_L2_Underground Forums	Lee		402; 403; 802; 6(c)	
DX-5248	Prof. Lee lecture, CS6262_Internet Scanning_Introduction (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	
DX-5249	Prof. Lee lecture, CS6262_L8a_Addressing Probes	Lee		402; 403; 802; 6(c)	
DX-5250	Prof. Lee lecture, CS6262_L8a_Attacker Intelligence Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5251	Prof. Lee lecture, CS6262_L8a_Attacker Intelligence Quiz	Lee		402; 403; 802; 6(c)	
DX-5252	Prof. Lee lecture, CS6262_L8a_CA Risks (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	
DX-5253	Prof. Lee lecture, CS6262_L8a_Certificate Chains	Lee		402; 403; 802; 6(c)	
DX-5254	Prof. Lee lecture, CS6262_L8a_Certification Authentication (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	

Apple Inc.'s Trial Exhibit List

Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5255	Prof. Lee lecture, CS6262_L8a_Coverage	Lee		402; 403; 802; 6(c)	
DX-5256	Prof. Lee lecture, CS6262_L8a_Cryptographic Keys	Lee		402; 403; 802; 6(c)	
DX-5257	Prof. Lee lecture, CS6262_L8a_Embedded Systems	Lee		402; 403; 802; 6(c)	
DX-5258	Prof. Lee lecture, CS6262_L8a_Entropy Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5259	Prof. Lee lecture, CS6262_L8a_Entropy Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5260	Prof. Lee lecture, CS6262_L8a_Exercise 1	Lee		402; 403; 802; 6(c)	
DX-5261	Prof. Lee lecture, CS6262_L8a_Exercise 2	Lee		402; 403; 802; 6(c)	
DX-5262	Prof. Lee lecture, CS6262_L8a_Exercise 3	Lee		402; 403; 802; 6(c)	
DX-5263	Prof. Lee lecture, CS6262_L8a_HTTPS Adoption	Lee		402; 403; 802; 6(c)	
DX-5264	Prof. Lee lecture, CS6262_L8a_Identifying CA	Lee		402; 403; 802; 6(c)	
DX-5265	Prof. Lee lecture, CS6262_L8a_Internet Wide Network Studies	Lee		402; 403; 802; 6(c)	
DX-5266	Prof. Lee lecture, CS6262_L8a_Internet Wide Security Scanning	Lee		402; 403; 802; 6(c)	
DX-5267	Prof. Lee lecture, CS6262_L8a_Packet Transmission and Receipt	Lee		402; 403; 802; 6(c)	
DX-5268	Prof. Lee lecture, CS6262_L8a_Scan Rate	Lee		402; 403; 802; 6(c)	
DX-5269	Prof. Lee lecture, CS6262_L8a_TCP IP Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5270	Prof. Lee lecture, CS6262_L8a_TCP IP Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5271	Prof. Lee lecture, CS6262_L8a_Validating Responses	Lee		402; 403; 802; 6(c)	
DX-5272	Prof. Lee lecture, CS6262_L8a_ZMap Architecture	Lee		402; 403; 802; 6(c)	
DX-5273	Prof. Lee lecture, CS6262_L8a_ZMap Open Source	Lee		402; 403; 802; 6(c)	
DX-5274	Prof. Lee lecture, CS6262_L8a_ZMap vs NMap	Lee		402; 403; 802; 6(c)	
DX-5275	Prof. Lee lecture, CS6262_L8a_ZMap	Lee		402; 403; 802; 6(c)	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5276	Prof. Lee lecture, CS6262_L6b_Android Malware (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	
DX-5277	Prof. Lee lecture, CS6262_L6b_Data FLOW Analysis	Lee		402; 403; 802; 6(c)	
DX-5278	Prof. Lee lecture, CS6262_L6b_Data FLOW Analysis_Data Flows	Lee		402; 403; 802; 6(c)	
DX-5279	Prof. Lee lecture, CS6262_L6b_Exercise 1	Lee		402; 403; 802; 6(c)	
DX-5280	Prof. Lee lecture, CS6262_L6b_Exercise 2	Lee		402; 403; 802; 6(c)	
DX-5281	Prof. Lee lecture, CS6262_L6b_Exercise 3	Lee		402; 403; 802; 6(c)	
DX-5282	Prof. Lee lecture, CS6262_L6b_Exercise 4	Lee		402; 403; 802; 6(c)	
DX-5283	Prof. Lee lecture, CS6262_L6b_Forensics Quiz ANS (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	
DX-5284	Prof. Lee lecture, CS6262_L6b_Forensics Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5285	Prof. Lee lecture, CS6262_L6b_Hardening the Toolchain Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5286	Prof. Lee lecture, CS6262_L6b_Hardening the Toolchain Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5287	Prof. Lee lecture, CS6262_L6b_Information Leakage Detection (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	
DX-5288	Prof. Lee lecture, CS6262_L6b_iOS Malware	Lee		402; 403; 802; 6(c)	
DX-5289	Prof. Lee lecture, CS6262_L6b_Lifetime of iOS Malware	Lee		402; 403; 802; 6(c)	
DX-5290	Prof. Lee lecture, CS6262_L6b_Malware Trends	Lee		402; 403; 802; 6(c)	
DX-5291	Prof. Lee lecture, CS6262_L6b_Mobile Device Quiz ANS	Lee		402; 403; 802; 6(c)	
DX-5292	Prof. Lee lecture, CS6262_L6b_Mobile Device Quiz QUES	Lee		402; 403; 802; 6(c)	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5293	Prof. Lee lecture, CS6262_L6b_Mobile Malware Detection (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	
DX-5294	Prof. Lee lecture, CS6262_L6b_STAMP Admission System (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	
DX-5295	Prof. Lee lecture, CS6262_L6b_Toolchain Attacks Quiz ANS (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	
DX-5296	Prof. Lee lecture, CS6262_L6b_Toolchain Attacks Quiz QUES	Lee		402; 403; 802; 6(c)	
DX-5297	Prof. Lee lecture, CS6262_L6b_Toolchain Attacks	Lee		402; 403; 802; 6(c)	
DX-5298	Prof. Lee lecture, CS6262_Mobile Malware Introduction (Apple intends to show the entire video)	Lee		402; 403; 802; 6(c)	
DX-5299	Tim Sweeney Tweet on September 24, 2020	Sweeney			
DX-5300	Web page titled "r/fuckepic for Dummies - 2020 Edition," available at https://www.reddit.com/r/fuckepic/comments/ij48bf/rfuckepic_for_dummies_2020_edition/	Sweeney		402; 403; 802; 602	
DX-5301	12/7/2018 email regarding "Re: Apple draft re Vietnam - internal review - attorney-client privilege"	Sweeney			
DX-5302	4/16/2020 email regarding "Re: HOT: Fortnite and Travis Update"	Schmid; Fischer		802	
DX-5303	Invitation from Victoria Hutchinson to Tim Sweeney et al re "Invitation: [HOLD] Project Liberty @ Thu May 21, 2020 1pm - 2pm (EDT), dated May 15, 2020"	Sweeney			
DX-5304	Apple SDK materials	Federighi; Haun; Schiller; Fischer; Pruden; Grimm; Schmid		106; 602	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5305	Nintendo Switch	Schiller; Fischer; Fefderighi; Cook; Haun; Schmalensee; Hitt; Lafontaine; Rubin; Evans; Sweeney		106; 602	
DX-5306	William Stallings and Lawrie Brown, "Computer Security: Principle and Practice, 4th Edition"	Lee; Mickens		802; 602; Copy of book not provided	
DX-5307	8/6/2020 email regarding "Project Liberty Coalition Weekly"	Sweeney; Weissinger		Untimely Identified	
DX-5308	Document titled "App Store Review Guidelines," September 11, 2020, available at https://developer.apple.com/app-store/review/guidelines/	Schiller, Kosmyinka		Untimely Identified	
DX-5309	Wenke Lee, et al., "Broken Fingers: On the Usage of the Fingerprint API in Android"	Lee		Untimely Identified	
DX-5310	Wenke Lee, et al., "From Zygote to Morula: Fortifying Weakened ASLR on Android"	Lee		Untimely Identified	
DX-5311	Wenke Lee, et al., "CHEX: Statically Vetting Android Apps for Component Hijacking Vulnerabilities"	Lee		Untimely Identified	
DX-5312	Wenke Lee, et al., "Understanding the Prevalence and Use of Alternative Plans in Malware with Network Games"	Lee		Untimely Identified	
DX-5313	Wenke Lee, et al., "BLADE: An Attack-Agnostic Approach for Preventing Drive-By Malware Infections"	Lee		Untimely Identified	
DX-5314	Wenke Lee, et al. "ARROW: Generating Signatures to Detect Drive-By Downloads"	Lee		Untimely Identified	
DX-5315	Email chain between Mark Bozon and Matt Fischer containing a complete copy of a 2008 WSJ interview with Steve Jobs, reprinted on July 25, 2018	Malackowski; Fischer		Untimely Identified	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5316	November 18, 2020 Tim Sweeney Tweets	Sweeney		802; 602; Illegible; Untimely Identified	
DX-5317	Epic Games, "The Fortnite Mega Drop - Permanent Discounts Up To 20%," September 10, 2020	Sweeney, Allison		Illegible; Untimely Identified	
DX-5318	Intelligent Economist, "Microtransactions in Video Game," November 19, 2017	Hitt; Schmalensee; Rubinfeld; LaFontaine		802; 602; Untimely Identified	
DX-5319	Apple Inc., "Condensed Consolidated Statements of Operations (Unaudited)"	Cook; Schiller		Untimely Identified	
DX-5320	Valve Corporation, "Net Steam Sales, Partner Revenue Share Payments and Net to Value"	Hitt		602; Untimely Identified	
DX-5321	Technical document titled "Steam Cross Play"	Hitt		802; 602; Untimely Identified	
DX-5322	Presentation re "Steam Rev Share- Group Update"	Hitt		802; 602; Untimely Identified	
DX-5323	Spreadsheet re console game sales across platforms	Hitt; Nintendo custodian		602; Untimely Identified	
DX-5324	Presentation titled in part "Android in China"	Hitt; Google custodian		802; 602; Untimely Identified	
DX-5325	Presentation titled in part "Google Play," dated March 2020	Hitt; Google custodian		802; 602; Untimely Identified	
DX-5326	Presentation titled "Let's Talk About Our Business Model..."	Hitt; Google custodian		802; 602; Untimely Identified	
DX-5327	Search Ads Weekly Business Review	Hitt, Cragg, Schiller		Untimely Identified	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5328	K. Partleton, "Honor of Kings Reigns Supreme as the Top Earning Mobile Game in September," PocketGamer.biz, Oct. 20, 2020, available at https://www.pocketgamer.biz/asia/news/74803/honor-of-kings-reigns-supreme-as-the-top-earning-mobile-game-in-september/	Hitt		802; 602; Untimely Identified	
DX-5329	Sensor Tower, "Lineage Franchise Crosses \$4 Billion in Gross Revenue on Mobile," Oct. 18, 2019	Hitt		802; 602; Untimely Identified	
DX-5330	D. Takahashi, "Niko Partners: China is Finally Embracing Consoles," VentureBeat, June 9, 2020, available at https://venturebeat.com/2020/06/09/niko-partners-chinas-console-and-tv-game-market-to-hit-2-15-billion-by-2024/	Hitt		802; 602; Illegible; Untimely Identified	
DX-5331	NBC News, "Sims 3 Sells 1.4 Million Copies in First Week," June 9, 2009, available at https://www.nbcnews.com/id/wbna31194133	Hitt		802; 602; Untimely Identified	
DX-5332	P. Byers and J. Heath, "The Start and End Date for all Fortnite Seasons," Dot Esports, Mar. 16, 2021, available at https://dotesports.com/fortnite/news/start-end-dates-for-all-fortnite-seasons	Hitt		802; 602; Untimely Identified	
DX-5333	Valve – "Steam Distribution Agreement – Online Version"	Hitt		Untimely Identified	
DX-5334	R. Valentine, "Fate/Grand Order just passed \$4 billion in revenue," GamesIndustry.biz, January 21, 2020	Hitt		802; 602; Untimely Identified	
DX-5335	Hitt Rebuttal Report - Appendix F	Hitt		802; Untimely Identified	
DX-5336	S. O'Dea, "Apple iPhone smartphone users in the United States 2012-2021," Statista, February 27, 2020	Schiller; Fischer; Cook; Schmalensee; Hitt; Evans; Sweeney; Lafontaine		802; 602; Untimely Identified	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5337	David B. Yoffie and Renee Kim, "Apple Inc. in 2010," Harvard Business School, July 7, 2014	Hitt		802; 602; Untimely Identified	
DX-5338	Apple transactional data produced via hard drive (not required to be exchanged between the parties pursuant to the Stipulation and [Proposed] Order Regarding Pretrial Schedule)	Hitt		Added Late	
DX-5339	Epic transactional data (not required to be exchanged between the parties pursuant to the Stipulation and [Proposed] Order Regarding Pretrial Schedule)	Hitt		Added Late	
DX-5340	Epic transactional data (not required to be exchanged between the parties pursuant to the Stipulation and [Proposed] Order Regarding Pretrial Schedule)	Hitt		Added Late	
DX-5341	Transactional data produced via hard drive (not required to be exchanged between the parties pursuant to the Stipulation and [Proposed] Order Regarding Pretrial Schedule)	Hitt		Added Late	
DX-5342	Transactional data produced via hard drive (not required to be exchanged between the parties pursuant to the Stipulation and [Proposed] Order Regarding Pretrial Schedule)	Hitt		Added Late	
DX-5343	Player Detail History (71a912d1c584440095c560666bbe1a67_000099), data set produced in backup materials of Dr. David S. Evans	Hitt		Added Late	
DX-5344	Player Detail History (Revenue Errata), produced in backup materials of Dr. David S. Evans	Hitt		Added Late	
DX-5345	Purchase Data (PurchaseTimeStampUpdate5), data set produced in backup materials of Dr. David S. Evans	Hitt		Added Late	
DX-5346	U.S. Patent 2007/0265969 A1	Gray		Added Late	
DX-5347	U.S. Patent 2019/0102779 A1	Gray		Added Late	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5348	U.S. Patent 2019/0147430 A1	Gray		Added Late	
DX-5349	U.S. Patent 2019/0392441 A1	Gray		Added Late	
DX-5350	WIPO Patent 2019/067585 A1	Gray		Added Late	
DX-5351	Epic Games Store Storefront, available at https://www.epicgames.com/store/en-US/	Sweeney		Added Late	
DX-5352	Epic Games Store Frequently Asked Questions available at, epicgames.com/site/en-US/epic-games-store-faq	Sweeney		Added Late	
DX-5353	Brian Crecente, The four lives of Epic Games, Polygon, available at https://www.polygon.com/a/epic-4-0/the-four-lives-of-epic-games	Sweeney		Added Late	
DX-5354	Upgrade and switch to Pixel from Android or iOS - Google Store, https://store.google.com/us/magazine/switch	Athey, Hitt		Added Late	
DX-5355	How to switch from iPhone to Android, https://www.techradar.com/how-to/how-to-switch-from-iphone-to-android	Athey, Hitt		Added Late	
DX-5356	Switch to Android - Android, https://www.android.com/switch/	Athey, Hitt		Added Late	
DX-5357	Transfer data from an iPhone to a Pixel, https://support.google.com/pixelphone/answer/7129740?hl=en	Athey, Hitt		Added Late	
DX-5358	Top 6 iPhone to Android Data Transfer Apps to Transfer Data Wirelessly, https://mobiletrans.wondershare.com/iphone-transfer/iphone-to-android-transfer-app.html	Athey, Hitt		Added Late	
DX-5359	Samsung, Steps to a Smarter iPhone Switch, https://www.samsung.com/us/support/switch-to-galaxy/iphone/	Hitt		Added Late	
DX-5360	Motorola, "Using Migrate for your iPhone," https://web.archive.org/web/20201205084719/https://support.motorola.com/us/en/solution/ms96362	Hitt		Added Late	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5361	Google Store, "You made the switch. Now let's get you going," https://store.google.com/us/magazine/switch	Hitt		Added Late	
DX-5362	LG, How to Transfer Data to your New LG Phone with LG Mobile Switch, https://www.lg.com/us/support/help-library/how-to-transfer-data-to-your-new-lg-phone-with-lg-mobileswitch-CT10000025-20150709439936	Hitt		Added Late	
DX-5363	Microsoft Strategy Presentation, "Xbox LIVE Marketplace – Future Strategy," Interactive Entertainment Business	Hitt		Added Late	
DX-5364	Microsoft Strategy Presentation, "Xbox LIVE Games Marketplace – Guiding Principles, Mission and Vision," June 2011 Interactive Entertainment Business	Hitt		Added Late	
DX-5365	Email from DJ Powers to Steam SWAT Release, "Epic Games Store – Talking points from recent trip"	Hitt		Added Late	
DX-5366	DoubleDown Interactive, "DoubleDown Casino," available at https://www.doubledowninteractive.com/double-down/	Hitt		Added Late	
DX-5367	"Benefits of connecting through Facebook," available at https://doubledowncasino1.zendesk.com/hc/en-us/articles/201395160-Benefits-of-connecting-through-Facebook-in-DoubleDown-Casino	Hitt		Added Late	
DX-5368	DoubleDown Casino, "How to buy chips in DoubleDown Casino," available at https://doubledowncasino1.zendesk.com/hc/en-us/articles/204594014-How-to-buy-chips-in-DoubleDown-Casino	Hitt		Added Late	
DX-5369	Big Fish Casino, "Online Casino Games," available at https://www.bigfishgames.com/us/en/game/big-fish-casino.html	Hitt		Added Late	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5370	Big Fish Casino, "How do I play on multiple devices?" available at https://bigfishcasino.zendesk.com/hc/en-us/articles/229511407-How-do-I-play-on-multiple-devices	Hitt		Added Late	
DX-5371	Big Fish Casino, "How do I get Gold?" available at https://www.bigfishgames.com/game/big-fish-casino/help/articles/229318107-How-do-I-get-Gold-/	Hitt		Added Late	
DX-5372	Jackpot Party Casino, "Connect to Facebook," available at https://jackpotpartycasino.zendesk.com/hc/en-us/articles/360040617734-Connect-to-Facebook	Hitt		Added Late	
DX-5373	Jackpot Party Casino, "Buying Coins," available at https://jackpotpartycasino.zendesk.com/hc/en-us/articles/360002546353-Buying-Coins	Hitt		Added Late	
DX-5374	Jackpot Party Casino, "Supported Browsers," available at https://jackpotpartycasino.zendesk.com/hc/en-us/articles/360041413614-Supported-Browsers	Hitt		Added Late	
DX-5375	Apple, "Jackpot Party - Casino Slots on the App Store," available at https://apps.apple.com/us/app/jackpot-party-casino-slots/id575980917	Hitt		Added Late	
DX-5376	Google Play, "Jackpot Party Casino Games: Spin FREE Casino Slots - Apps on Google Play," available at https://play.google.com/store/apps/details?id=com.williamsinteractive.jackpotparty&hl=en_US&gl=US	Hitt		Added Late	
DX-5377	Google, "Ecosystem Intelligence Program," January 2018	Hitt		Added Late	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5378	Appfigures, "Number of available gaming apps at Google Play from 1st quarter 2015 to 3rd quarter 2020," available at https://www.statista.com/statistics/780229/number-of-available-gaming-apps-in-the-google-play-store-quarter/	Hitt		Added Late	
DX-5379	Phil Muncaster, "Samsung announces app store launch date," CRN, available at https://www.crn.com.au/news/samsung-announces-app-store-launch-date-154517	Hitt		Added Late	
DX-5380	Jared Peters, "Samsung App store officially changes name to Galaxy Apps," TalkAndroid, available at https://www.talkandroid.com/213068-samsung-app-store-officially-changes-name-to-galaxyapps/	Hitt		Added Late	
DX-5381	Williams Pelegrin, "Galaxy Apps is being renamed to Galaxy Store ahead of S10 unveiling," Android Authority, available at https://www.androidauthority.com/samsung-galaxy-apps-renamed-galaxy-store-956075/	Hitt		Added Late	
DX-5382	Kris Holt, "Samsung redesigns its Galaxy Store to focus on games," Engadget, available at https://www.engadget.com/samsung-galaxy-store-redesign-games-165511215.html	Hitt		Added Late	
DX-5383	Chris Kohler, "Nintendo 3DS eShop Packs Solid Features, Skimpy Lineup," Wired, available at https://www.wired.com/2011/06/nintendo-3ds-eshop-launch/	Hitt		Added Late	
DX-5384	Nintendo, "Game Store," available at https://www.nintendo.com/games/gameguide/	Hitt		Added Late	
DX-5385	Dylan Tweney, "Amazon Launches Its Own Android App Store," Wired, available at https://www.wired.com/2011/03/amazon-android-app-store-2/	Hitt		Added Late	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5386	Appfigures, "Number of available gaming apps in the Amazon Appstore from 1st quarter 2015 to 3rd quarter 2020," available at https://www.statista.com/statistics/780245/number-of-available-gaming-apps-in-the-amazon-appstore-quarter/	Hitt		Added Late	
DX-5387	Electronic Arts, "EA Launches Origin," available at https://www.ea.com/en-au/news/ea-launches-origin	Hitt		Added Late	
DX-5388	Dan Pearson, "EA adding third party games to Origin," GamesIndustry.biz, available at https://www.gamesindustry.biz/articles/2011-10-28-ea-adding-third-party-games-to-origin	Hitt		Added Late	
DX-5389	PlayStation, "PlayStation Now on PC," available at https://www.playstation.com/en-us/ps-now/ps-now-on-pc/	Hitt		Added Late	
DX-5390	Jay Peters, "How Amazon's Luna cloud gaming service compares to Stadia, xCloud, and GeForce Now," The Verge, available at https://www.theverge.com/2020/9/25/21454917/amazon-luna-cloudgaming-comparison-google-stadia-microsoft-xcloud-game-pass-geforce-now	Hitt		Added Late	
DX-5391	Gabe Gurwin, "Cloud gaming vs. console gaming: The pros and cons of each," Digital Trends, available at https://www.digitaltrends.com/gaming/cloud-gaming-vs-console-gaming/	Hitt		Added Late	
DX-5392	Will Greenwald, "The Best Game Streaming Services for 2021," PC Mag, available at https://www.pcmag.com/picks/the-best-game-streaming-services	Hitt		Added Late	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5393	Kyle Bradshaw, "Epic Games' Tim Sweeney explains why Fortnite isn't on Stadia 'yet,'" 9to5Google, available at https://9to5google.com/2020/07/28/no-fortnite-for-stadia-yet/	Hitt		Added Late	
DX-5394	Phil Eisler, "GeForce NOW Streaming Comes to iOS Safari," NVIDIA, available at https://blogs.nvidia.com/blog/2020/11/19/geforce-now-on-ios-safari/	Hitt		Added Late	
DX-5395	Tom Warren, "Xbox Game Pass Subscribers Hit 18 Million," The Verge, available at https://www.theverge.com/2021/1/26/22250795/xbox-game-pass-subscribers-growth-microsoft	Hitt		Added Late	
DX-5396	Laurent Giret, "Xbox Head Phil Spencer Wants to Make Cloud Gaming (Project xCloud) Games Available for Purchase Without a Subscription," OnMSFT, available at https://www.onmsft.com/news/xbox-head-phil-spencer-wants-to-make-project-xcloud-games-available-for-purchase-without-a-subscription	Hitt		Added Late	
DX-5397	Russ Frushtick, "The Backbone iOS Controller Recreates the Switch Experience for Playstation and Xbox," Polygon, available at https://www.polygon.com/reviews/2021/3/4/2312193/backbone-one-controller-review-ios-iphone-remote-play-review-impressions-hands-on	Hitt		Added Late	
DX-5398	Tom Warren, "Microsoft Starts Testing Edge Chromium Browser on Xbox," The Verge, available at https://www.theverge.com/2021/3/7/22318050/microsoft-edge-xbox-chromium-browser-testing	Hitt		Added Late	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5399	Jennifer Still, "How to Buy Movies on YouTube on a Web Browser or Mobile Device, and Access Your Library," Business Insider, available at https://www.businessinsider.com/how-to-buy-movies-on-youtube	Hitt		Added Late	
DX-5400	Sarah Perez, "In a Significant Change, Apple Customers Can Now Buy or Rent Titles Directly in the Prime Video App," TechCrunch, available at https://techcrunch.com/2020/04/01/in-a-significant-change-apple-customers-can-now-buy-or-rent-titles-directly-in-the-prime-video-app	Hitt		Added Late	
DX-5401	Eder Callejas, "Fortnite V-Bucks Gift Cards Now Available at Major Retailers in the USA," TechPope, available at https://techpope.com/technology/fortnite-v-bucks-gift-cards-now-available-at-major-retailers-in-the-usa/	Hitt		Added Late	
DX-5402	Microsoft, "Microsoft Outlook"	Hitt		Added Late	
DX-5403	4/8/2018 email regarding "Re: [CHINESE CHARACTERS] Fortnite(Internet mail) "	Sweeney		Added Late	
DX-5404	9/8/2018 email regarding "Re: Cooperation between HUAWEI Mate 20 and Fortnite"	Sweeney		Added Late	
DX-5405	4/4/2018 email regarding "Re: Tencent next steps"	Sweeney		Added Late	
DX-5406	7/11/2018 email regarding "Re: Unreal Engine Marketplace announcement possibility"	Sweeney		Added Late	
DX-5407	8/13/2020 email regarding "Quote for WSJ "	Sweeney		Added Late	
DX-5408	Store Product Level Data	App Annie custodian, Hitt		Added Late	
DX-5409	Product ID Data	App Annie custodian, Hitt		Added Late	

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Exhibit No.	Description	Sponsoring Witness	ID Only	Epic Objection	Date Admitted
DX-5410	Category ID Data	App Annie custodian, Hitt		Added Late	
DX-5411	Unified Category ID Data	App Annie custodian, Hitt		Added Late	